

EV

CHARGE SOLUTIONS CATALOG

The Future of Green Energy.

At Bladeco, we are committed to leading the future of green energy through our innovative solutions. Our range of renewable energy technologies is designed to foster a sustainable and eco-friendly future. Among these solutions, our electric vehicle charging systems stand out as key contributors to a greener transportation ecosystem.

Our cutting-edge charging stations are engineered to support the transition to clean energy by providing efficient and reliable charging solutions. Whether for residential or commercial use, Bladeco's EV charging solutions are optimized for performance and sustainability. By choosing Bladeco, you are not only embracing advanced technology but also playing a crucial role in reducing carbon emissions and promoting sustainable mobility. Join us in shaping the future with our state-of-the-art energy solutions and electric vehicle charging systems, and be a part of the green energy revolution.





FACTORY AND TECHNOLOGY CENTER

Bladeco strengthens its position in the industry with its modern factory and technology center located in the Gonen district of Isparta. At this facility, photovoltaic solar panels and electric vehicle charging stations are produced, leading the way in innovative technologies. Bladeco's investments in eco-friendly energy solutions and smart infrastructure systems contribute not only to regional development but also take significant steps toward a sustainable future. This facility in Gönen serves as a central hub that reinforces Bladeco's leadership in the sector through its technological and production capabilities.



Expert
Staff



Research
Center



Advanced
Certification



Global
Production

Bladeco Gönen Plant

The Bladeco Gönen Plant is a state-of-the-art facility dedicated to the production of advanced energy solutions. Located in the heart of Isparta's Gönen district, this cutting-edge plant serves as a hub for innovation and sustainability in the energy sector.

At the Gönen Plant, we specialize in the manufacturing of photovoltaic solar panels and electric vehicle charging stations. Equipped with the latest technology and operated by a team of skilled professionals, the facility is designed to meet the highest standards of quality and efficiency.

Our commitment to excellence is reflected in every product that comes off the production line at the Gönen Plant. By combining innovative design with rigorous testing and quality control, we ensure that our products are not only reliable but also contribute to a greener, more sustainable future. The Gönen Plant is more than just a manufacturing site; it's a testament to Bladeco's vision of leading the charge in renewable energy. Here, we are shaping the future of energy, one product at a time.



20
08 SINCE

world
giant solution
partners

15 REGION

EMPLOYEES
300+

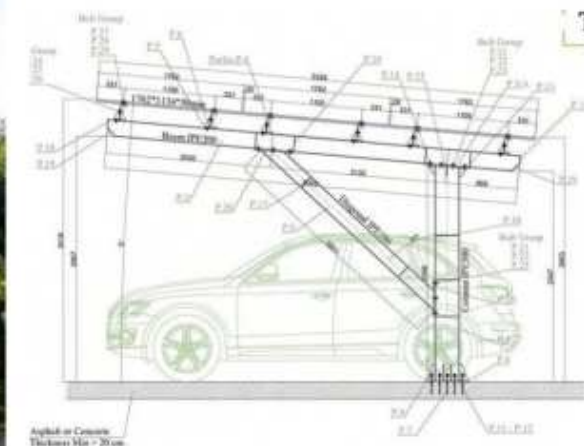
production
lines in
European
standards

PROJECT PLANNING

When planning a solar carport project with Bladeco, we focus on integrating renewable energy solutions with functional and aesthetic design. Each carport is tailored to meet the specific needs of our clients, ensuring optimal solar panel placement for maximum energy generation. Our project planning process involves detailed site assessments, customized design solutions, and comprehensive timelines that align with your project goals. Bladeco's expertise in solar panel installation and construction ensures that your carport will not only enhance the sustainability of your property but also provide a seamless and efficient parking solution.



We offer the most suitable Carport and Charger solutions for your parking area.



MANUFACTURING

At Bladeco, our manufacturing process for Bladeco Charge products is driven by innovation, precision, and sustainability. We utilize state-of-the-art facilities and advanced technologies to ensure each charging station is built to the highest standards. Our production line is meticulously managed, from the selection of premium materials to the final quality checks, ensuring reliability and durability in every unit. We prioritize eco-friendly practices throughout the manufacturing process, reducing our carbon footprint while delivering cutting-edge charging solutions. With Bladeco Charge, you can trust in the quality and performance of a product engineered to meet the demands of the future.



We use state-of-the-art equipment and qualified workforce in our manufacturing processes.

QUALITY-CONTROL AND DURABILITY TESTS

At Bladeco, ensuring the highest quality and durability of our products is paramount. Each Bladeco Charge unit undergoes rigorous quality control procedures and extensive durability tests. From initial material selection to final assembly, every stage is meticulously monitored to ensure compliance with international standards. Our durability tests simulate extreme environmental conditions to guarantee that each unit can withstand harsh weather, heavy usage, and time. This commitment to quality and reliability ensures that our customers receive only the most dependable and long-lasting charging solutions.



We trust in our quality and proudly send Bladeco signed products to all over the world.



We Work to Build a Better Future
For You.



 **High Production**
Capacity

 **Carbon Zero**
Production

EV Chargers Application by Market Segments



Charger Application



Destination	Bladeco Wallbox	Bladeco AC Station	Bladeco Mini DC Fast Charger	Bladeco DC Fast Charger
Residential	✓			
Workplaces and Shopping Centres	✓	✓	✓	✓
Commercial Park		✓	✓	✓
Hospitality		✓	✓	✓
Fleet		✓	✓	✓
Fuel Retailer		✓	✓	✓



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DC EV Chargers



Bladeco Home Mini DC Charger 1 Gun



Home Mini
DC Charger

Product Introduction

The Bladeco Home Mini DC Charger with 1 Gun is a compact, high-performance solution designed for home use. This sleek and efficient charger delivers fast DC charging in a space-saving design, perfect for residential settings. With its advanced safety features, intuitive interface, and reliable performance, it provides homeowners with a convenient and powerful charging option for their electric vehicles. The charger's modern design and customizable settings make it an excellent choice for those seeking to enhance their home's EV charging capabilities while ensuring optimal energy management.

Highlights

Compact Design: Space-saving form factor, ideal for residential use.

Fast Charging: Delivers efficient DC charging for quick vehicle turnaround.

User-Friendly Interface: Intuitive controls for easy operation and monitoring.

Advanced Safety Features: Equipped with overcurrent and overvoltage protection for secure charging.

Customizable Settings: Adjustable charging modes to suit various energy needs.

Durable Construction: Built to withstand outdoor conditions with robust materials.

Energy Efficiency: Optimized to minimize energy consumption while maximizing charging speed.

The Bladeco Home Mini DC Charger 1 Gun offers fast, efficient charging in a compact, user-friendly design, perfect for residential settings. With advanced safety features and customizable settings, it ensures a secure and energy-efficient charging experience.







HyperWall Wallbox DC Technical Specifications

Electrical Properties	
Input Voltage	AC 380V $\pm$ %15, 3P+N+PE
Frequency	50Hz / 60Hz
Input Power Factor	≥ 0.99 (yük: %100)
Efficiency	$\geq 95.5\%$
Output Voltage Range	CCS2: 100Vdc ~ 1000Vdc
Maximum Output Power	40kW-80 kW
Voltage Max	Max 1000V
Current	0A ~ 133.3A- 0A ~ 260A

User Interface	
Screen	10.1"
Status LED	LED Light
Ekran Malzemesi	Touchscreen
Buttons	Emergency Stop
Connection Authorization	QR Code, Password, Mobile App, OCPP 2.0.1, RFID
Supported Languages	English / Turkish / Arabic / Russian
Humidity	%5 ~ %95
Operating Temperature	-25°C ~ +55°C
Altitude	<2000m
Input Protection	Designed for IP54
Enclosure Protection	Designed for IK10
Cooling	Air Cooling
Certification	CE
Warranty	12 months

Standards and Protocols	
Standards	IEC 61851-1:2011, IEC 61851-23:2014, EN 61851-23:2014, EN 61851-1:2021, ISO 15118
External Communication	Ethernet, Wi-Fi, 4G ,3G,2G
Internal Communication	Canbus, RS485, RS232

Mechanical Features	
Body Material	Aluminum
Dimensions	655.9x340x666mm (GxDxY) (40kW) - 655.9x440x666mm (GxDxY) (80kW)
Weight	70kg (40kW) - 100kg (80kW)
Cable Routing	Bottom entry and exit cabling
Cable Length	4.5 ~ 5m (Single CCS2)
Mounting Method	Direct Mounting

Optional Features	
Advertisement Display	Advertisements can be shown on a 10.1" Full HD screen
Advertisement Control Panel	Advertisements at the station, location, and regional level can be managed on a single platform
Remote Update	Any software changes can be updated remotely via remote access
Remote Activation	The station can be remotely activated after installation

Extras	
Security	Door switch control

Bladeco Public DC Charger 2 Guns

ULTRA
FAST

Up to 2
vehicles at the
same time
(2 in DC)

Public
DC Charger

Product Introduction

Bladeco's Public DC Charger with 2 Guns is engineered to provide fast and efficient charging for electric vehicles in high-traffic public areas. This advanced charger is designed for convenience, offering dual charging ports that accommodate multiple vehicles simultaneously. With cutting-edge technology, robust safety features, and user-friendly operation, it ensures reliable and rapid charging, making it an ideal solution for busy urban environments, commercial centers, and transit hubs. The charger's durable construction and smart connectivity options guarantee long-lasting performance and easy integration into existing EV infrastructure.

Highlights

Ultra-Fast Charging: Our DC charger supports ultra-fast charging capabilities, significantly reducing the time required to charge electric vehicles, making it ideal for high-traffic areas.

Dual Charging Ports: Equipped with two guns, this charger allows simultaneous charging of two vehicles, maximizing efficiency and convenience for users.

High Power Output: With high power output, the charger ensures that even the most demanding electric vehicles can be charged quickly and effectively.

Advanced Cooling System: The charger features an advanced cooling system to maintain optimal performance during continuous use, ensuring safety and reliability.

Robust and Durable Design: Built with durable materials, the charger is designed to withstand harsh weather conditions and constant usage in public spaces.

Smart Features: Integrated with smart technology, including remote monitoring, diagnostics, and software updates, ensuring the charger remains fully operational and up-to-date.

User-Friendly Interface: The charger includes a simple, intuitive interface that makes the charging process straightforward for all users.

Comprehensive Safety Protections: The charger is equipped with multiple safety features, including overcurrent, overvoltage, and short-circuit protection, ensuring the safety of both vehicles and users.

Bladeco charging stations work integrated with the bladeco app. With the Bladeco Charge app, you can easily manage your charging transactions and access balance and charging location information.



90KW-300KW







HyperWay Public DC 400 Technical Specifications

Electrical Properties	
Input Voltage	AC 380V $\pm$ %15, 3P+N+PE
Frequency	50Hz / 60Hz
Input Power Factor	20.99 (load: 100%)
Efficiency	$\geq$ %95
Output Voltage Range	CCS2: 200Vdc ~ 1000Vdc
Maximum Output Power	160kW.. 240kW.. 320kW.. 400kW
Voltage	1000V
Current	500A

User Interface	
Screen	21.5" LCD Screen
Status LED	LED Light
Screen Material	Touchscreen
Buttons	Emergency Stop
Connection Authorization	QR Code, Password, Mobile App, OCPP 2.0.1, RFID
Supported Languages	English / Turkish / Arabic / Russian

Mechanical Properties	
Humidity	%5 ~ %95
Operating Temperature	-25°C ~ +55°C
Altitude	<2000m
Input Protection	Designed for IP54
Enclosure Protection	Designed for IK10
Cooling	Air Cooling
Certification	CE (to be obtained)
Warranty	2 years

Standards and Protocols	
Standards	IEC61851-1:2011, IEC61851-23:2014, EN 61851-23:2014, EN 61851-1:2021, ISO 15118
External Communication	Ethernet, Wi-Fi, 4G ,3G,2G
Internal Communication	Canbus, RS485, RS232

Mechanical Features	
Body Material	Stainless Steel
Dimensions	864×895×1800 mm (WxDxH)
Weight	$\leq$ 400 kg
Cable Routing	Bottom entry cabling, top exit cabling
Cable Length	4.5 ~ 5 m (Çift CCS2)
Mounting Method	Ground Mounting

Optional Features	
Advertisement Display	Advertisements can be shown on a 21.5" Full HD screen
Advertisement Control Panel	Advertisements at the station, location, and regional level can be managed on a single platform
Remote Update	Any software changes can be updated remotely via remote access
Remote Activation	The station can be remotely activated after installation

Extras	
Transportation	4 mounting hooks, Forklift fork slot
Security	Door switch control

AC EV Chargers





ŞARJIN YENİ YILDIZI.

Yenilenen BladeCO AC Şarj Cihazları ile Kesintisiz Şarj Keyfi
Artık Hiç Olmadığı Kadar **Güvenli ve Hızlı.**

5 YIL
GARANTİ









Bladeco Wallbox EV Charger

Wallbox
EV Charger

NFC Card Reader

LED Indication

Charging Cable Option



3.7KW-22KW

Product Introduction

Bladeco Wallbox is a cutting-edge electric vehicle charging solution designed to meet the needs of modern drivers. Combining advanced technology with user-friendly features, this wall-mounted charger offers fast, reliable, and efficient charging for electric vehicles, whether at home, in residential complexes, or in commercial settings. Engineered with safety, durability, and ease of use in mind, the Bladeco Wallbox is the perfect choice for those seeking a high-performance charging experience. Join the future of sustainable driving with Bladeco's innovative charging solutions.

Protection Functions



Over Current
Protection



Overcharge
Protection



Over Voltage
Protection



Short Circuit
Protection



Anti-Reverse
Protection



Overload
Protection

With full protection to avoid all kinds of charging safety hazards, it will automatically power off after the vehicle is fully charged, to protect the car battery and prolong the working life.

HyperWall Wallbox DC Technical Specifications

Model	22KW BLDC22S1
Type	MOD3 Type 2 Socket
Socket Type	IEC 62196 Tip 2 EU
Voltage	380V AC, 50/60Hz, 3-Phase
Current	3x32A
Output Type	Type 2 EU Socket
Display	5" TFT Screen
Indicator	RGB LED
Protection	Built-in 30mA Leakage Current Relay
Network Protocol	OCPP 1.6 JSON, OCPP 2.01
Material	Aluminum
Energy Analyzer	Built-in Schneider 63A
Communication	Modbus RS485
Dimensions (WxDxH)	320x126x440 mm
Net Weight	7.4 Kg
Operating Temperature	-30°C to +70°C
Locking	IP65
Altitude	0-2000m
IP Rating	IP54
IK Rating	IK10
Charging Start Methods	QR Code, RFID Card
Mobile Compatibility	Android, iOS
Warranty	2 Years

Bladeco WallboxNext EV Charger

WallboxNext
EV Charger



3.7KW-22KW

Product Introduction

WallboxNext represents the latest evolution in our electric vehicle charging solutions. Designed with the future in mind, WallboxNext offers enhanced power, improved efficiency, and a sleek design that seamlessly integrates into any environment. What sets WallboxNext apart is its high level of customization—whether you're looking for specific charging speeds, smart connectivity options, or personalized aesthetics, WallboxNext adapts to your needs. Engineered by Bladeco to deliver exceptional performance, this charging station not only meets but exceeds the expectations of modern EV users, providing a reliable and forward-thinking charging experience.

Product Configurable Features



Power Management
System



RFID Card
Reader



Touchscreen
Display



Protection
Fuse



Residual Current
Relay



Energy
Meter

Color Options



Bladeco WallboxNext EV Charger Variations



	Plus Edition	Standard Edition	Eco Edition
Power Management	✓	✓	
RFID	✓	✓	✓
Touch Screen	✓		
Fuse	✓		
Residual Current Relay	✓	✓	
Energy Meter	✓		
LED Status	✓	✓	✓
Emergency Stop Button	✓	✓	✓

Bladeco WallboxNext

EV Charger

Technical Data

Features and Functions

Charging Mode	Mode 3
Vehicle Connection	IEC 62196 Tip 2 EU
AC Power Output	22-11-7.4-3.7
Mounting Options	Wall and post mounting, see accessories
Charging Status LEDs	Charging, Charging pending, error status
Communication Status LEDs	Connected / not connected during operation, signal strength during commissioning
Parent Child	Connect up to 10 child units by Wi-Fi (100 ft line of sight) and 24 child units by serial Modbus RS485. Each unit is provided with one Ethernet port.
Load Management	via OCPP or via Modbus

Communication

Interfaces	Ethernet, Wi-Fi, Modbus RS-485
User Authentication	RFID (local Whitelist, MiFare)
Configuration	Bladeco Mobile App
Back-end Protocol	OCPP 1.6, upgrade-able to OCPP 2.0
Software Upgrade	over the air (OTA)

Charging Standards	IEC 62196-2, IEC/EN 61851-1, EN 62311
Communication Protocol	OCPP 1.6J / OCPP 2.01

Electrical Design

Power Supply Voltage	V	Single phase 208 V / 240 V AC, 60 Hz
Frequency	Hz	50/60
Rated Current Settings	A	3x32-3x16-1x32-1x16
Cross Wire Section		360 VAC 5x6 NYM Cable (30 Meter)360 VAC 5x2.5 NYM Cable (30 Meter)220 VAC 3x6 NYM Cable (30 Meter)220 VAC 3x2.5 NYM Cable (30 Meter)
Network Type		Single phase / Three phase
Energy Metering		Reverse accurate,ANSI C12.16 compliant metering
Ground Fault Protection	mA	30
DC Residual Current Monitoring		Not applicable
Over Voltage Protection	V	Under voltage:220 V / Over voltage: 380 V
Over Current Protection	A	Current + 10% above configured threshold,min. <2A, 5 seconds
Operating Altitude	m	≤2000 above sea level (without derating)

General Design

Environmental Rating		Indoor and Outdoor
Dimensions W x D x H	mm	320x126x440
Weight	kg	7.4
Operating Temperature	°C	-30 +70
Relative Humidity	%	5 - 95 (non-condensing)
Colours		Turquoise, Pearl White, Dark Red, White Aluminum

EMC Standards	EN 62479
Certifications and Conformity	CE, TUV

Bladeco Public AC Charger



Socketed

with Cable



3.7KW-22KW

Public
AC Charger

Product Introduction

Bladeco's Public AC Charging Stations are designed to meet the growing demand for accessible and reliable electric vehicle charging solutions in public spaces. These stations are equipped with advanced safety features, user-friendly interfaces, and high-efficiency charging technology to provide a seamless experience for EV drivers. Our AC charging stations are suitable for installation in a wide range of locations, including parking lots, shopping centers, and public roadsides, ensuring that electric vehicle owners have convenient access to power wherever they go. With Bladeco, you can trust in the durability, performance, and scalability of our charging infrastructure, tailored to support the future of sustainable transportation.

Available Other Colors



Highlights

User-Friendly Interface: The stations come with an intuitive display and easy-to-use controls, allowing for a smooth and hassle-free charging experience.

High-Efficiency Charging: Equipped with state-of-the-art charging technology, our stations deliver optimal power output, reducing charging time while maintaining energy efficiency.

Advanced Safety Features: Safety is our priority. The stations include built-in protections against overcharging, overheating, and short circuits to ensure the safety of both the vehicle and the user.

Durable and Weather-Resistant Design: Bladeco's charging stations are built to withstand various environmental conditions, ensuring longevity and consistent performance in outdoor installations.

Scalability: Our AC charging stations are designed to be easily scalable, allowing for the seamless expansion of charging infrastructure as demand grows.

Smart Connectivity: Integrated with smart technology, the stations offer remote monitoring, diagnostics, and software updates, ensuring they remain up-to-date and fully operational.

Versatile Installation Options: Suitable for a wide range of public locations, our charging stations can be installed in parking lots, shopping centers, highways, and other public areas, making EV charging accessible everywhere.

Bladeco charging stations work integrated with the bladeco app. With the Bladeco Charge app, you can easily manage your charging transactions and access balance and charging location information.



BLADECO



Bladeco Public AC Charger Variations



	Socket Version	Wired Version
Power Management	✓	✓
RFID	✓	✓
Touch Screen	✓	✓
Fuse	✓	✓
Residual Current Relay	✓	✓
Energy Meter	✓	✓
LED Status	✓	✓
Emergency Stop Button	✓	✓

Bladeco Public

AC Charger

Technical Data

Features and Functions

Charging Mode	Mode 3
Vehicle Connection	IEC 62196 Tip 2 EU
AC Power Output	22-11-7.4-3.7
Mounting Options	Wall and post mounting, see accessories
Charging Status LEDs	Charging, Charging pending, error status
Communication Status LEDs	Connected / not connected during operation, signal strength during commissioning
Parent Child	Connect up to 10 child units by Wi-Fi (100 ft line of sight) and 24 child units by serial Modbus RS485. Each unit is provided with one Ethernet port.
Load Management	via OCPP or via Modbus

Communication

Interfaces	Ethernet, Wi-Fi, Modbus RS-485
User Authentication	RFID (local Whitelist, MiFare)
Configuration	Bladeco Mobile App
Back-end Protocol	OCPP 1.6, upgrade-able to OCPP 2.0
Software Upgrade	over the air (OTA)
Charging Standards	IEC 62196-2, IEC/EN 61851-1, EN 62311
Communication Protocol	OCPP 1.6J / OCPP 2.01

Electrical Design

Power Supply Voltage	V	Single phase: 208 V / 240 V AC, 60 Hz
Frequency	Hz	50/60
Rated Current Settings	A	3x32-3x65-1x32-1x65
Cross Wire Section		380 VAC 5x6 NYM Cable (30 Meter)380 VAC 5x2.5 NYM Cable (30 Meter)230 VAC 3x6 NYM Cable (30 Meter)230 VAC 3x2.5 NYM Cable (30 Meter)
Network Type		Single phase / Three phase
Energy Metering		Revenue accurate, ANSI C12.16 compliant metering
Ground Fault Protection	mA	30
DC Residual Current Monitoring		Not applicable
Over Voltage Protection	V	Under voltage: 220 V / Over voltage: 380 V
Over Current Protection	A	Current +10% above configured threshold, min. +2A, 5 seconds
Operating Altitude	m	≤ 2000 above sea level (without derating)

General Design

Environmental Rating		Indoor and Outdoor
Dimensions W x D x H	mm	320x126x440
Weight	kg	7.4
Operating Temperature	°C	-30 +70
Relative Humidity	%	5 - 95 (non-condensing)
Colours		Turquoise, Pearl White, Dark Red, White Aluminum
EMC Standards		EN 62479
Certifications and Conformity		CE, TUV

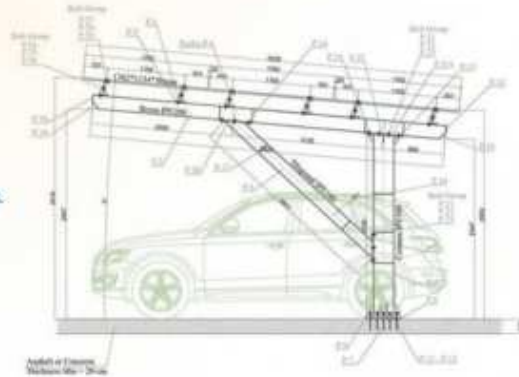
Carport Systems



Bladeco Carport Systems

Bladeco Solar Powered Carport Systems are designed to seamlessly integrate solar energy solutions with modern parking infrastructure. Our carports not only provide shelter for vehicles but also generate clean, renewable energy, reducing carbon footprints and energy costs. With robust construction and customizable designs, Bladeco's Solar Powered Carports are an innovative solution for sustainable urban development, making them an ideal choice for commercial, residential, and public spaces.

The Bladeco Solar Powered Carport System is a pioneering solution that seamlessly integrates advanced solar technology with durable, high-quality construction. Designed to provide both protection for vehicles and the generation of clean, renewable energy, this system transforms ordinary parking spaces into energy-efficient power sources. Ideal for residential complexes, commercial facilities, and public spaces, the Bladeco Solar Powered Carport System offers a sustainable approach to energy management, helping to reduce carbon footprints while meeting the growing demand for green energy solutions.



Integrated Solar Panels: Generates clean, renewable energy directly from the carport roof, reducing energy costs.



Durable Construction: Built with high-quality materials to withstand various weather conditions, ensuring long-term durability.



Customizable Designs: Tailored to fit different architectural styles and parking requirements, enhancing aesthetic appeal and functionality.



Environmentally Friendly: Reduces carbon footprint by harnessing solar power, contributing to sustainable development.



Efficient Energy Use: Powers electric vehicle charging stations and other facilities, maximizing energy efficiency.



BLADECO ENERGY



Bladeco

Carport Systems

Technical Data

Number of Vehicles		2 Vehicles
Number of Solar Panels		15
Type of Solar Panel		BLDC550-P12 Waterproof
Maximum Power of Solar Panel	Wp	550
Total Installed Power	kWp	8.25
Total Solar Panel Area	m ²	42
Solar Panel Slope	°	14
Usage Area Dimensions (WxD)	m	3.99x5.20
Minimum Indoor Height	m	2.4
Maximum Indoor Height	m	3.0
Solar Panel Orientation		South
Construction Material		Steel

Solar Panel

Maximum Power	Pmax	550Wp
Module Efficiency	%	21.28
Cell Size	mm	182x91
Number of Cells		144 (24x6)
Weight	kg	29
Panel Size	mm	2279x1134x35

Inverter

Maximum PV Array Input Power	Wp	10000
Maximum PV Input Voltage	V	1000
MPPT Voltage Range	V	180-950
Maximum Input Current (MPPT A / (MPPT B)	A	16/16
Nominal AC Output Power	W	6000
Maximum AC Output Apparent Power	VA	6600
Maximum AC Output Current	A	9.7
Communication Interface		Dongle Wi-Fi

Carport Capacity	Solar Energy System	Number of Panels	Generated Power	Charging Station Recommendation	Storage System Recommendation
1 Vehicle	3.3 kW	6 (550 Watt Panels)	3.3 kW	1 x 22 kW AC	1 x 50 kW
2 Vehicles	6.6 kW	12 (550 Watt Panels)	6.6 kW	1 x 120 kW DC	1 x 120 kW
4 Vehicles	9.9 kW	18 (550 Watt Panels)	9.9 kW	2 x 120 kW DC	1 x 240 kW
Note: Since Off-Grid systems have an electrical capacity depending on the storage power, an uninterrupted charging service cannot be provided. Mains power is required for a healthy charging process. Charging stations operate with AC Power					



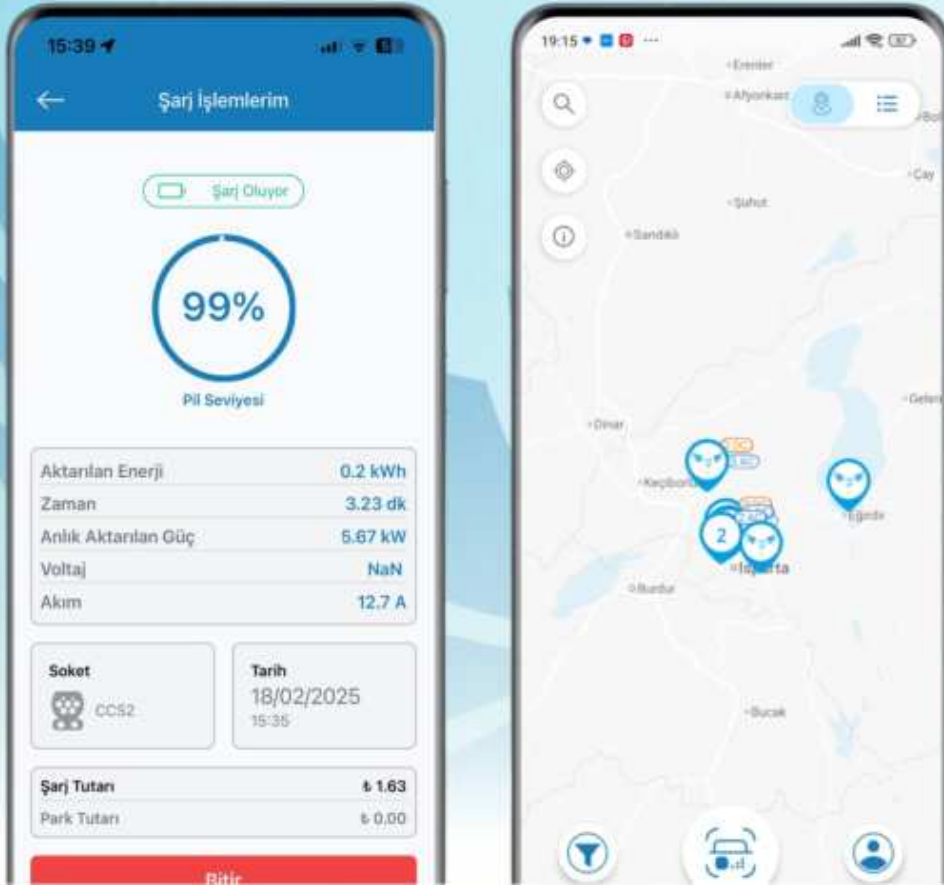
Bladeco Mobile App



Bladeco Charge Mobile App

Bladeco Solar Powered Carport Systems are designed to seamlessly integrate solar energy solutions with modern parking infrastructure. Our carports not only provide shelter for vehicles but also generate clean, renewable energy, reducing carbon footprints and energy costs. With robust construction and customizable designs, Bladeco's Solar Powered Carports are an innovative solution for sustainable urban development, making them an ideal choice for commercial, residential, and public spaces.

Power in Your Pocket, Charge On the Go!



Station Locations and Navigation

The Bladeco Charge app shows the locations of the nearest charging stations on a map and provides navigation to guide users to these stations.

Charging Session Management

Users can start, stop, and monitor their charging sessions through the app, giving them control over their charging process.

Easy Payment

The app offers secure payment options for charging sessions, allowing users to pay with credit cards or other digital payment methods.

Real-Time Station Status

Users can view the current status of charging stations (available, occupied, or under maintenance) in real-time to choose the best option.

User-Friendly Interface

The app features a simple and intuitive interface that allows users to quickly access the information they need.

Billing and History

Users can view and download their past charging sessions and invoices directly from the app.

Notifications and Updates

The app provides notifications and updates about charging sessions to keep users informed.

Customer Support

Users can contact customer support directly through the app for any assistance they might need.

You can download the Bladeco Charge app and start managing your electric vehicle's charging sessions effortlessly. Find charging stations, start sessions, and make payments all within a single app. Download now and enhance your charging experience today!





Bladeco Charge Mobile App

Charging your vehicle has never been easier
with the Bladeco Charge App.

Fast and
Secure



Wide Station
Network



Mobile Pay and
Charge History

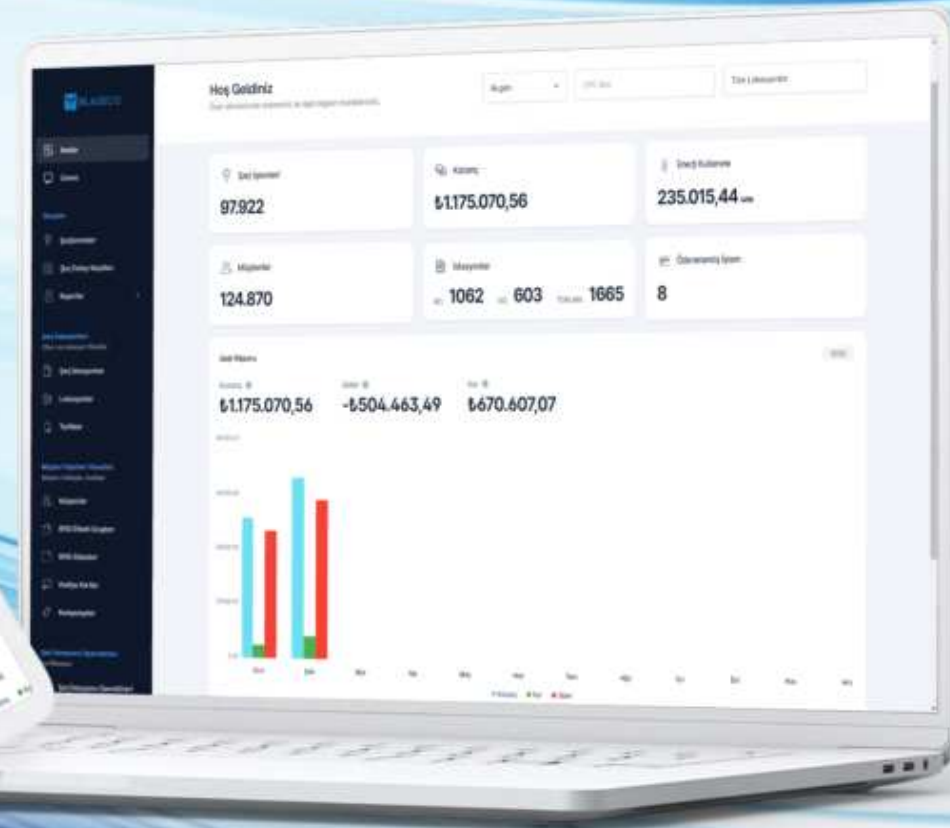


Current Energy
Consumption



Charger
Reservation





Bladeco Charge Management

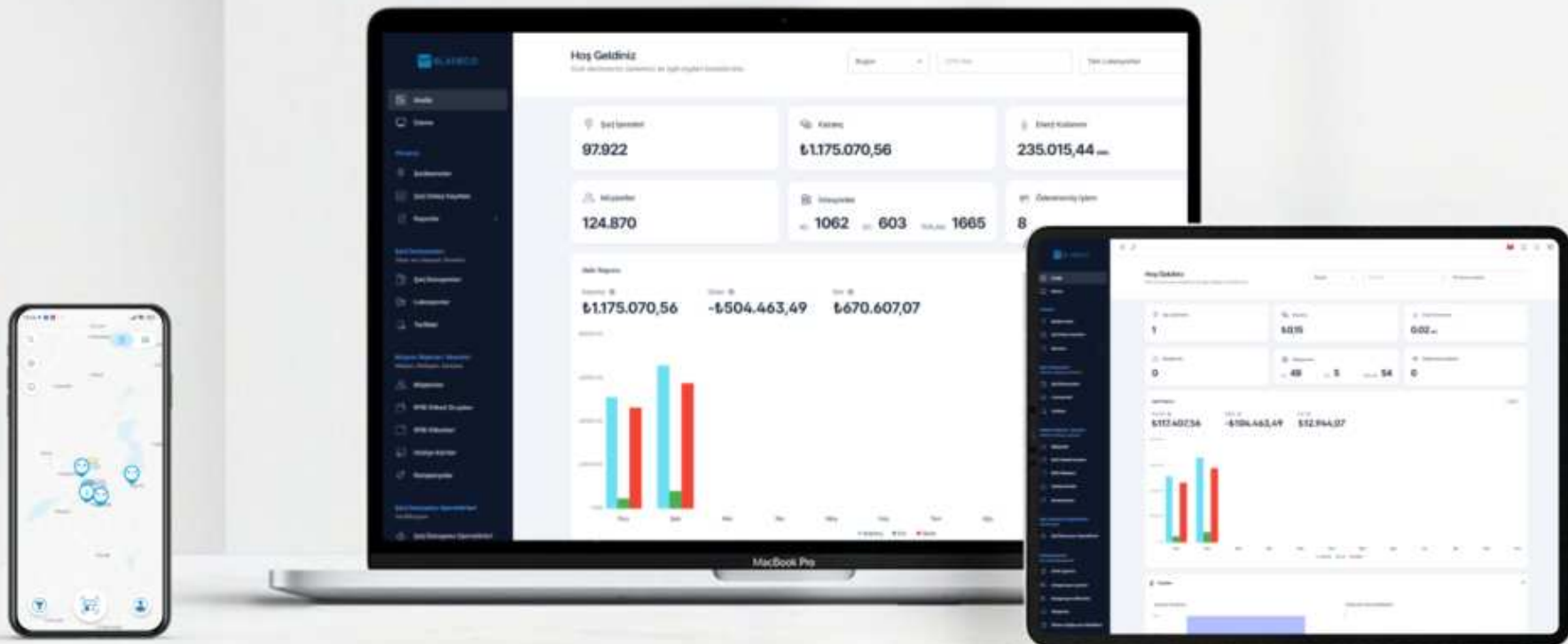
The Bladeco Charge Management application offers a modern, intuitive, and comprehensive interface designed to simplify the management of electric vehicle charging stations. The user-friendly dashboard not only facilitates essential functions like monitoring charging sessions, managing schedules, and analyzing energy consumption, but also integrates advanced features such as pricing and customer management, all within a single platform.

Tailored modules for large-scale commercial areas such as residential complexes and shopping malls make it easier to manage multiple charging devices and user groups. These modules allow seamless navigation between different sites and provide customizable control settings to meet the specific needs of each location.

With its clean design and responsive controls, the Bladeco Charge Management interface ensures that even the most complex tasks are performed with ease, enabling you to manage your charging infrastructure confidently and efficiently.

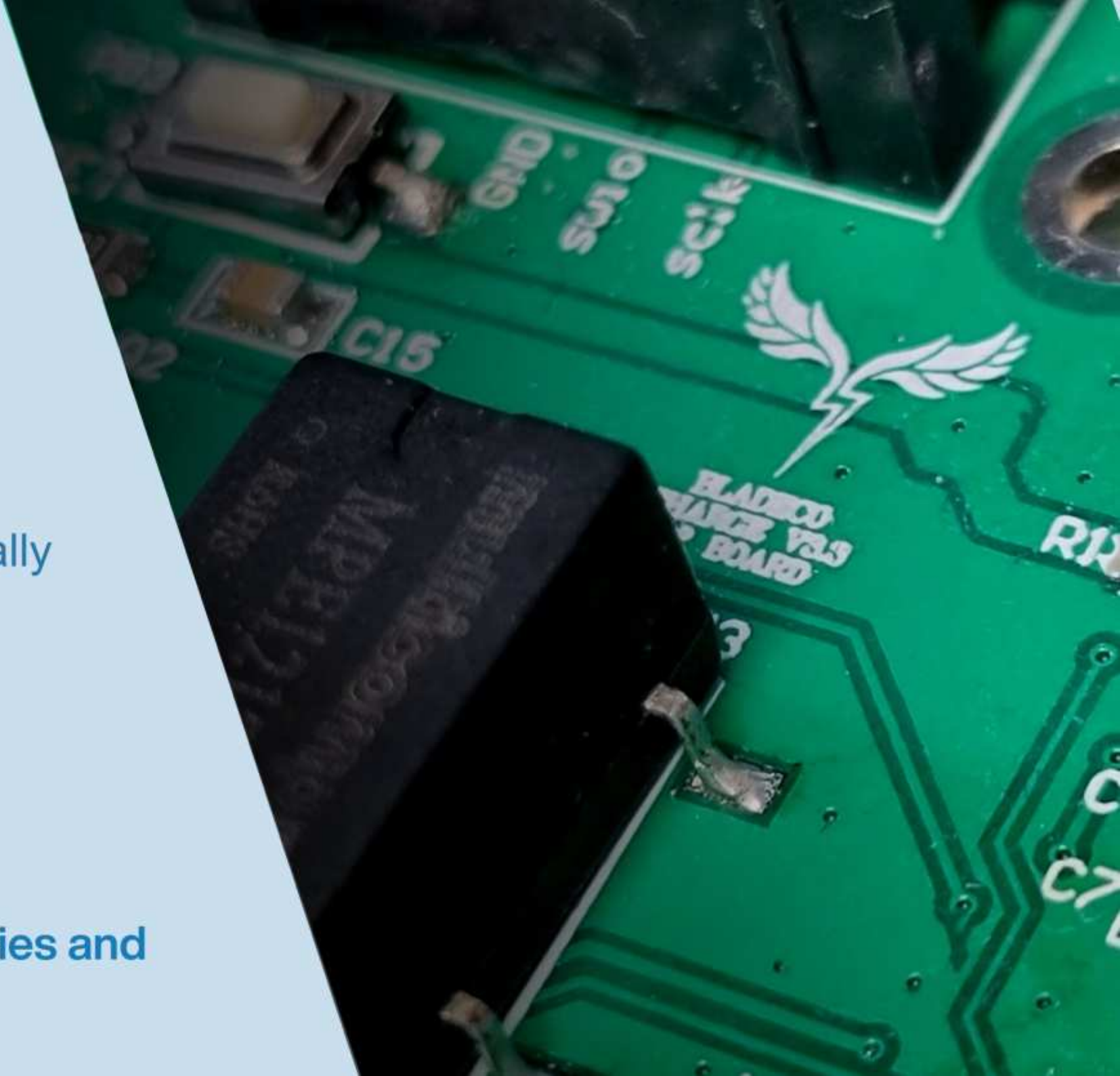
Entire Charging Process in One App.

The Bladeco Charge Management application is designed specifically for commercial clients and sites with multiple charging devices. This powerful tool streamlines the management of electric vehicle charging processes by providing a centralized platform where all charging activities can be monitored and controlled from a single panel. Whether you're overseeing a network of charging stations across multiple locations or managing high-demand usage at a single site, Bladeco Charge Management offers the efficiency and control needed to optimize your operations. With this application, you can ensure that your electric vehicle charging infrastructure is running smoothly, effectively, and with maximum uptime.



Control cards
are produced locally

Bladeco **Accessories and
Parts**



Bladeco Accessories and Parts

The best accessories and spare parts for you and your electric vehicles.

With our accessories and spare parts solutions that will complement Bladeco products and your electric vehicles; Enjoy a unique and fast charging experience without interruption.



RFID Customer Card

The Bladeco RFID Customer Card makes your EV charging fast and secure. With easy-to-use features, this card ensures seamless authentication at all Bladeco charging stations, keeping you ready to hit the road anytime.

Part Code

RFID-CUST-001



Type 2 Male-Female Cable

The Type 2 Male-Female Cable by Bladeco is a robust and reliable connector designed for optimal performance. It ensures efficient energy transfer between your EV and the charging station, providing a secure and stable connection every time.

Part Code

T2-MF-CAB-003



Electrical Panel

The Electrical Panel by Bladeco is engineered for high-performance and durability. It serves as the central hub for managing and distributing electrical power efficiently, ensuring the safe and reliable operation of your charging infrastructure.

Part Code

ELEC-PNL-004



Bladeco AC Motherboard

The Bladeco AC Charger Motherboard is the heart of your charging system, delivering reliable and efficient performance. Designed for durability, it ensures seamless operation of your Bladeco charging stations, keeping your EV charged and ready.

Part Code

AC-MB-002



DC Charger Cable Carrying Handle

The DC Charger Cable Carrying Handle from Bladeco is an essential accessory designed for ease and convenience. Engineered for durability, this handle provides a secure and comfortable grip for managing and transporting DC charging cables.

Part Code

DC-HND-005

Bladeco Accesories and Parts



Type 2 Cable

The Bladeco Type 2 Cable ensures reliable and efficient electric vehicle charging with its high-quality design. Compliant with industry standards, it provides a secure connection and long-lasting performance for both commercial and residential use.

Part Code

T2-SKT-006



CSS 2 Cable

The Bladeco CSS 2 Cable delivers robust and efficient electric vehicle charging with a high-quality build. Designed to meet industry standards, it offers a secure connection and durable performance for both commercial and residential applications.

Part Code

CSS2-SKT-007



Type 2 Holder

The Bladeco Type 2 Holder offers a practical solution for organizing and securing Type 2 charging cables. Designed for durability and ease of use, it ensures your cables are neatly stored and readily accessible for both commercial and residential settings.

Part Code

T2-HLD-008

The Bladeco Accessories and Parts section features a comprehensive range of high-quality components designed to enhance and support your electric vehicle charging infrastructure. From RFID customer cards and AC motherboards to various types of charging cables, sockets, holders, and stands, our selection ensures reliable performance and compatibility with your Bladeco systems. Each product is engineered for durability and efficiency, providing the solutions you need for optimal operation and management of your charging stations. For more details and to view our complete range of products, please visit our online store at shop.bladeco.com.tr.

CSS 2 Holder

The Bladeco CSS 2 Holder provides an efficient way to organize and secure CSS 2 charging cables. Built for durability and ease of use, it ensures your cables are neatly stored and easily accessible in both commercial and residential environments.

Part Code

CSS2-HLD-009



AC Station Stand

The Bladeco AC Station Stand provides a stable and secure mounting solution for AC charging stations. Designed for durability and ease of installation, it ensures your charging station is safely positioned and easily accessible for both commercial and residential use.

Part Code

AC-STD-010



Bladeco Automatic Remote Control Parking Bollard

The Bladeco Automatic Remote Control Parking Bollard is an advanced solution designed to secure your parking space effortlessly. Equipped with remote control functionality, this bollard allows for easy access management, providing both security and convenience. Whether for personal or commercial use, its robust design ensures durability, while the automatic operation adds a layer of efficiency to your parking management system. With Bladeco's commitment to innovation, this parking bollard offers a seamless blend of technology and practicality.

Featuring remote control access, it ensures easy operation while protecting your designated parking area. Built with durability in mind, this bollard is ideal for both residential and commercial use, providing a reliable solution to parking management.

Energy-Efficient Operation

Low power consumption ensures cost-effective use.

Smart Sensor Integration

Automatically detects vehicles, optimizing operation and reducing wear.

Anti-Collision Design

Built with safety features to prevent accidental damage to vehicles.

Weather-Resistant

Designed to function reliably in all weather conditions.

Customizable Options

Available in various sizes and finishes to match different parking environments.

Smartphone-controlled parking barriers are transforming the parking world.

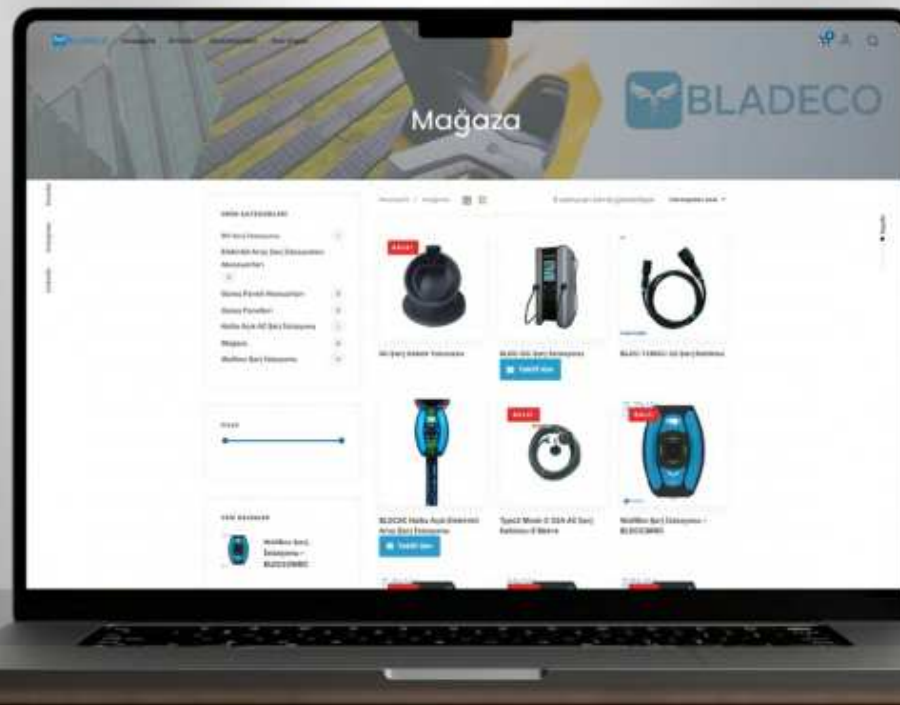
Parkmatik provides the opportunity for smart parking. It is simple, easy to use, environmentally friendly, and allows you to protect your reserved parking spaces with a smartphone-controlled barrier.



www.shop.bladeco.com.tr 🔍

Products in the catalogue and more.

Explore our full range of innovative charging solutions and accessories by visiting www.shop.bladeco.com.tr. Discover the products featured in this catalog and much more to enhance your electric vehicle experience. Stay ahead with BladeCo's cutting-edge technology and comprehensive support.



Discover the full spectrum of BladeCo's innovative electric vehicle charging solutions and accessories at www.shop.bladeco.com.tr. While this catalog showcases some of our most popular products, our online store offers an even broader selection tailored to meet diverse needs and preferences. From advanced charging stations to essential components, you'll find everything you need to power your electric journey. Visit our website to explore the complete range, compare options, and find the perfect products to enhance your charging experience.



BLADECO
germany

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Gönen Isparta Turkey



+90 444 32 99





BLADECO
GERMANY

Company and Product Introduction Catalog

Şirket ve Ürün Tanıtım Kataloğu

2025



BLADECO
GERMANY

Company and Product Introduction Catalog

Şirket ve Ürün Tanıtım Kataloğu

2025

PREFACE

Dear Business Partners, Valued Customers, Respected Colleagues,

As the BLADECO Energy family, it is with immense excitement and pride that we bring you the energy of the sun and the innovation. Since our inception in 2008, we have been privileged to experience the exhilaration of delivering the transformative power of energy and technology, encompassing ballistic bulletproof and armored materials, mechanical system excellence, domestic projects, and extending to international mega projects.

Our domestic endeavors in the realm of mechanical systems, which commenced in 2014, culminated in our representation of high quality and reliability in the heart of buildings and structures—where mechanical systems are revered as vital. The audacious steps we took into international mega projects in 2018 stand as testament to our firm progress on the global stage.

In 2020, our investment partnership with Dubai-based investment group Jawharat Development Investment further expanded the horizons of BLADECO Energy's vision. While underscoring the significance of sustainable energy with our 900 MW solar panel facility, we contribute to the future of transportation solutions with the implementation of electric vehicle charging station production and operation, beginning in 2023.

This catalog serves as a conduit for presenting the values that BLADECO Energy has achieved and carried forward. Through our expertise in solar panel production and our innovative approach to electric vehicle charging stations, we are committed to persistently work towards a cleaner and more sustainable world. With the support of our esteemed business partners and customers, we eagerly anticipate jointly bringing transformative energy solutions to life in the future.

Sincerely,
Alper KILIÇKAYA
General Manager, BLADECO Energy

ÖNSÖZ

Değerli İş Ortaklarımız, Kıymetli Müşterilerimiz, Saygıdeğer Meslektaşlarımız,

BLADECO Energy ailesi olarak, güneşin enerjisini ve inovasyonu sizlere sunmanın büyük heyecanını ve gururunu yaşıyoruz. 2008 yılındaki kuruluşumuzdan bu yana, enerji ve teknolojinin dönüştürücü gücünü sizlere ulaştırmanın heyecanını yaşama ayrıcalığına sahip olduk. Bu süreç; balistik kurşun geçirmez ve zırhlı malzemelerden, mekanik sistem mükemmeliyetine, yerel projelerden uluslararası mega projelere kadar uzanmaktadır.

2014 yılında mekanik sistemler alanındaki yerel çalışmalarımız, binaların ve yapıların kalbinde yer alan mekanik sistemlerin hayati önem taşıdığına olan inancımızla yüksek kalite ve güvenilirliği temsil etme noktasına ulaşmıştır. 2018 yılında uluslararası mega projelere adım atmamız, küresel arenadaki sağlam ilerleyişimizin bir kanıtı olmuştur.

2020 yılında, Dubai merkezli yatırım grubu Jawharat Development Investment ile gerçekleştirdiğimiz ortaklık, BLADECO Energy'nin vizyonunu daha da genişletmiştir. 900 MW kapasiteli güneş paneli tesisimizle sürdürülebilir enerjinin önemini vurgularken, 2023 yılında başlayan elektrikli araç şarj istasyonu üretimi ve işletimi ile ulaşım çözümlerinin geleceğine katkıda bulunmaktayız.

Bu katalog, BLADECO Energy'nin elde ettiği ve geleceğe taşıdığı değerleri sunma aracı olarak hizmet etmektedir. Güneş paneli üretimindeki uzmanlığımız ve elektrikli araç şarj istasyonlarına yönelik yenilikçi yaklaşımımızla, daha temiz ve daha sürdürülebilir bir dünya için kararlılıkla çalışmaya devam ediyoruz.

Kıymetli iş ortaklarımızın ve müşterilerimizin desteğiyle, gelecekte dönüştürücü enerji çözümlerini birlikte hayata geçirmek için sabırsızlanıyoruz.

Saygılarımızla,
Alper KILIÇKAYA
Genel Müdür, BLADECO Energy

Vision

At BLADECO Energy, we are guided by our belief in the transformative power of energy. Our vision is to encourage the world to shift further towards sustainable energy sources, thereby constructing a cleaner environment and a brighter future. By providing effective and environmentally friendly solutions across a wide spectrum, ranging from energy production to transportation, from technology to infrastructure, we have undertaken the mission of shaping the future of energy.

Mission

Our mission is to deliver pioneering solutions in the energy sector by combining innovation and quality. We view energy not merely as a necessity, but as a guarantee for the future. We are focused on continuous research and development to explore, utilize, and make accessible sustainable energy sources. While meeting the energy needs of both individuals and societies, we prioritize environmental awareness, and by introducing technological innovations and best practices, we lead the way in the future energy transformation.

Vizyon

BLADECO Energy olarak, enerjinin dönüştürücü gücüne olan inancımız doğrultusunda hareket ediyoruz. Vizyonumuz, dünyanın sürdürülebilir enerji kaynaklarına daha fazla yönelmesini teşvik ederek daha temiz bir çevre ve daha parlak bir gelecek inşa etmektir. Enerji üretiminden ulaşım, teknolojiye kadar geniş bir yelpazede etkili ve çevre dostu çözümler sunarak enerjinin geleceğini şekillendirme misyonunu üstlendik.

Misyon

Misyonumuz, yenilikçilik ve kaliteyi birleştirerek enerji sektöründe öncü çözümler sunmaktır. Enerjiyi sadece bir ihtiyaç olarak değil, geleceğin teminatı olarak görüyoruz. Sürdürülebilir enerji kaynaklarını keşfetmek, kullanıma sunmak ve erişilebilir kılmak için sürekli araştırma ve geliştirme faaliyetlerine odaklanıyoruz. Hem bireylerin hem de toplumların enerji ihtiyaçlarını karşılarken çevresel farkındalığı ön planda tutuyor; teknolojik yenilikler ve en iyi uygulamalarla geleceğin enerji dönüşümüne öncülük ediyoruz.

2008-2025



2008

Since our establishment, we have had the privilege of delivering the transformative power of energy and technology.

This journey spans a wide range, from ballistic bulletproof and armored materials to excellence in mechanical systems, and from local projects to international mega-projects.

Kuruluşumuzdan bu yana, enerji ve teknolojinin dönüştürücü gücünü sunmanın mutluluğunu yaşadık. Bu süreç; balistik kurşun geçirmez ve zırhlı malzemelerden mekanik sistem mükemmeliyetine, yerel projelerden uluslararası mega projelere kadar geniş bir yelpazeyi kapsamaktadır.



2018

We expanded our horizons to international mega projects, strengthening our presence on the global stage while emphasizing quality and innovation.

Ufkumuzu uluslararası mega projelere genişleterek küresel sahnedeki varlığımızı pekiştirirken kalite ve yeniliğe de önem verdik.



2014

We shifted our focus to working on mechanical systems in domestic public projects and continued to uphold high standards of quality and reliability in this field.

Odak noktamızı yurt içi kamu projelerinde mekanik sistemler üzerinde çalışmaya kaydırdık ve bu alanda yüksek kalite ve güvenilirlik standartlarını korumaya devam ettik.



2021

We aim to play a leading role in the future of transportation and infrastructure solutions. By producing and operating a 900 MW solar panel facility and electric vehicle charging stations, we make significant contributions to eco-friendly energy and sustainable transportation.

Ulaşım ve altyapı çözümlerinin geleceğinde öncü rol oynamayı hedefliyoruz. 900 MW'lık güneş paneli tesisi ve elektrikli araç şarj istasyonlarının üretimi ve işletilmesiyle çevre dostu enerji ve sürdürülebilir ulaşım alanlarına önemli katkılar sağlıyoruz.



2025

As Bladeco, we aim to strengthen our leading position in the industry in 2025 with projects focused on sustainability, digital transformation, and global growth. By increasing the use of renewable energy, we will carry out environmentally conscious operations while enhancing customer experience through artificial intelligence and digital technologies.

As we expand our global presence to reach more regions, we will continue to develop solutions for the future through innovation and R&D investments. Together with Bladeco, we are stepping into a brighter future!

Bladeco olarak, 2025'te sürdürülebilirlik, dijital dönüşüm ve küresel büyüme odaklı projelerimizle sektörde öncü konumumuzu güçlendirmeyi hedefliyoruz. Yenilenebilir enerji kullanımını artırarak çevreye duyarlı operasyonlar gerçekleştirecek, yapay zeka ve dijital teknolojilerle müşteri deneyimini iyileştireceğiz.

Daha fazla bölgeye ulaşarak küresel varlığımızı genişletirken, inovasyon ve AR-GE yatırımlarımızla geleceğin çözümlerini üretmeye devam edeceğiz. Bladeco ile daha parlak bir geleceğe birlikte adım atıyoruz!



BLADECO

 High Production Capacity
Yüksek Üretim Kapasitesi

 Carbon Zero Production
Sıfır Karbon Üretim

At the Heart of Nature,
at the Pinnacle of Technology.

• • •
Doğanın Kalbinde,
Teknolojinin Zirvesinde.

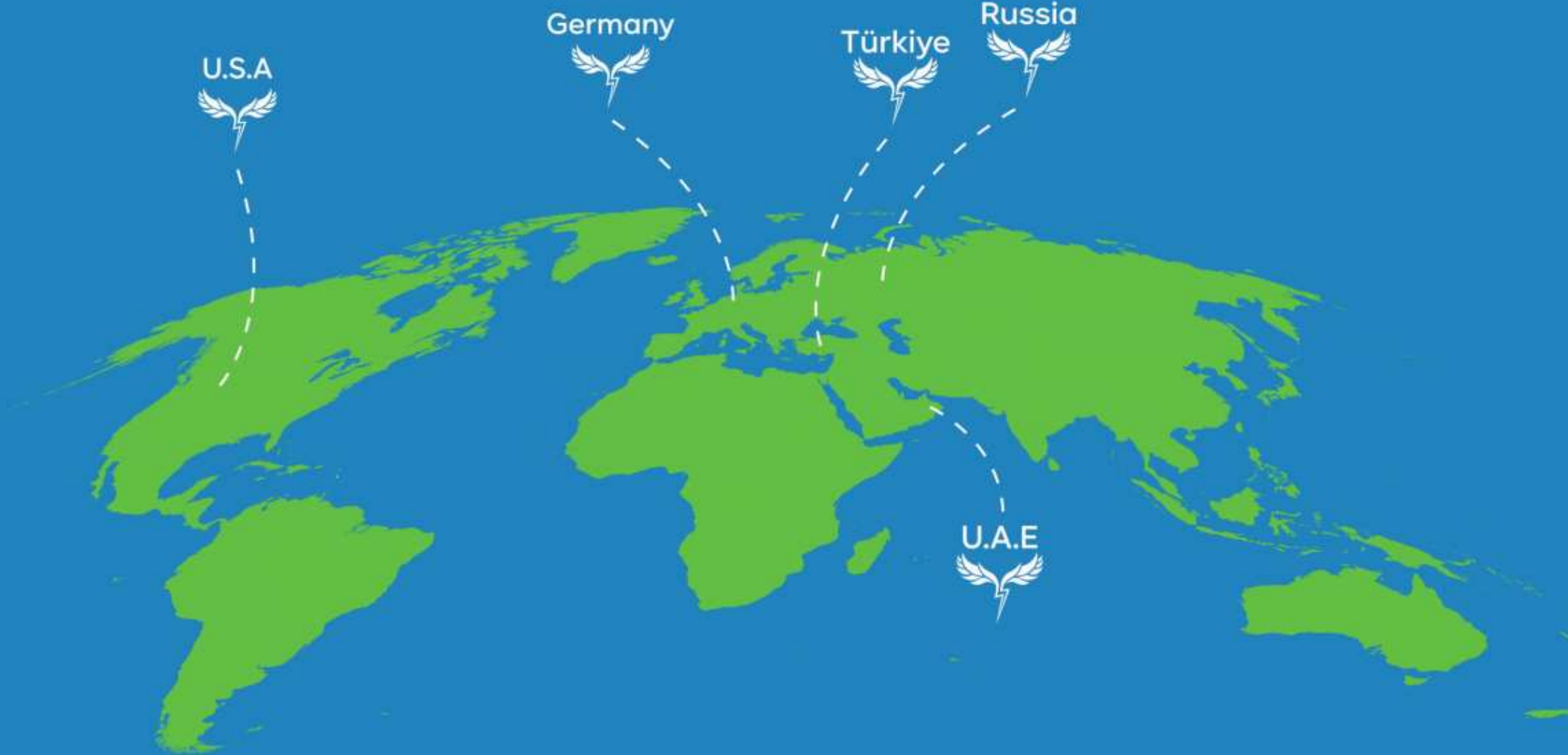
Germany

Türkiye

Russia

U.S.A

U.A.E





BLADECO



FACTORY AND TECHNOLOGY CENTER FABRİKA VE TEKNOLOJİ MERKEZİ

Bladeco strengthens its position in the industry with its modern factory and technology center located in the Gonen district of Isparta. At this facility, photovoltaic solar panels and electric vehicle charging stations are produced, leading the way in innovative technologies. Bladeco's investments in eco-friendly energy solutions and smart infrastructure systems contribute not only to regional development but also take significant steps toward a sustainable future. This facility in Gonen serves as a central hub that reinforces Bladeco's leadership in the sector through its technological and production capabilities.

Bladeco, Isparta'nın Gonen ilçesinde yer alan modern fabrikası ve teknoloji merkezi ile sektördeki konumunu güçlendirmektedir. Bu tesiste, fotovoltaik güneş panelleri ve elektrikli araç şarj istasyonları üretilerek yenilikçi teknolojilere öncülük edilmektedir. Bladeco'nun çevre dostu enerji çözümleri ve akıllı altyapı sistemlerine yaptığı yatırımlar, sadece bölgesel kalkınmaya katkıda bulunmakla kalmayıp, aynı zamanda sürdürülebilir bir geleceğe yönelik önemli adımlar atmaktadır. Gonen'deki bu tesis, teknolojik ve üretim yetkinlikleriyle Bladeco'nun sektördeki liderliğini pekiştiren merkezi bir üs olarak hizmet vermektedir.



Today's Energy, Tomorrow's Hope.



Bugünün Enerjisi, Yarının Umudu.

BIFACIAL TOPCON MONOCRISTAL

144 CELL
144 HÜCRE



High Conversion Efficiency
Yüksek Dönüşüm Verimliliği



0~+5W Positive Power Tolerance
0~+5W Pozitif Güç Toleransı



High Efficiency in Low Irradiance
Düşük Işınımda Yüksek Verimlilik



High Load Capacity
Yüksek Dayanım Kapasitesi



Easy Installation
Kolay Kurulum



Self-Cleaning Glass
Kendi Kendini Temizleyen Cam

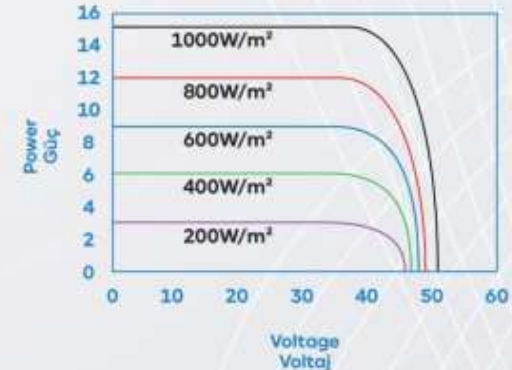
BLDC585-P16 585 Wp
BLDC590-P16 590 Wp
BLDC595-P16 595 Wp
BLDC600-P16 600 Wp
BLDC605-P16 605 Wp

16BB

Model Type Model Tipi

	BLDC585-P16	BLDC590-P16	BLDC595-P16	BLDC600-P16	BLDC605-P16
Maximum Power (Pmax) Maksimum Güç	585 Wp	590 Wp	595 Wp	600 Wp	605 Wp
Module Efficiency Modül Verimliliği	22.64	22.83	23.02	23.21	23.40
Maximum Power Voltage (Vmp) Maksimum Güç Gerilimi	43.13	43.33	43.53	43.73	43.93
Maximum Power Current (Imp) Maksimum Güç Akımı	13.54	13.60	13.65	13.70	13.75
Open Circuit Voltage (Voc) Açık Devre Gerilimi	51.16	51.36	51.56	51.76	51.96
Short Circuit Current (Isc) Kısa Devre Akımı	14.36	14.43	14.51	14.58	14.65
Power Tolerance Güç Toleransı	0~+5W				
Maximum System Nominal Voltage Maksimum Sistem Anma Gerilimi	1500V DC				
Operation Temperature Range Çalışma Sıcaklık Aralığı	-40 ~ +85 C°				
Safety Class Güvenlik Sınıfı	Class I Sınıf I				
Maximum Series Fuse Current Maksimum Seri Sigorta Akımı	25A				

Cell Size Hücre Boyutu (mm)	182 x 91	Rear Side Power Gain Arka Taraf Güç Kazanımı				
Number of Cells Hücre Sayısı	144 (6 x 24)	619.5	649.0	678.5	708.0	737.5
Weight Ağırlık (kg)	29.0	15.16	15.28	16.60	17.32	18.06
Panel Size Panel Boyutu (mm)	2276 x 1132 x 34	51.36	51.36	51.36	51.36	51.36
Max. Wind/Snow Load Resistance Maks. Rüzgar/Kar Yükü Dayanımı (Pa)	2400/5400	14.28	14.96	15.64	16.32	17.01
Junction Box Protection Class Bağlantı Kutusu Koruma Sınıfı	IP68	43.34	43.34	43.34	43.34	43.34
Junction Box Cable Size Bağlantı Kutusu Kablo Boyu (mm)	300-1600	Maximum Power Voltage Maksimum Güç Gerilimi				



PERC MONOCRISTAL

132 CELL

132 HÜCRE



High Conversion Efficiency
Yüksek Dönüşüm Verimliliği



0~+5W Positive Power Tolerance
0~+5W Pozitif Güç Toleransı



High Efficiency in Low Irradiance
Düşük Işınımda Yüksek Verimlilik



High Load Capacity
Yüksek Dayanım Kapasitesi



Easy Installation
Kolay Kurulum



Self-Cleaning Glass
Kendi Kendini Temizleyen Cam

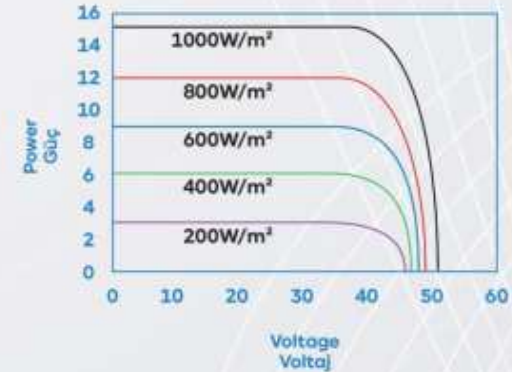
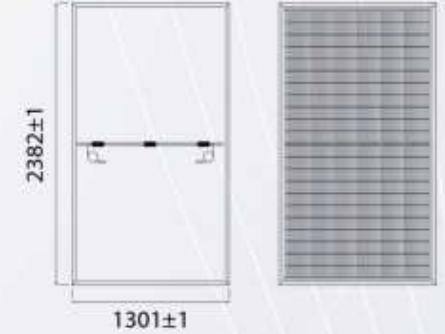
12BB

BLDC650-P12 650 Wp
BLDC655-P12 655 Wp
BLDC660-P12 660 Wp
BLDC665-P12 665 Wp
BLDC670-P12 670 Wp
BLDC675-P12 675 Wp

Model Type Model Tipi

	BLDC650-P12	BLDC655-P12	BLDC660-P12	BLDC665-P12	BLDC670-P12	BLDC675-P12
Maximum Power (Pmax) Maksimum Güç	650 Wp	655 Wp	660 Wp	665 Wp	670 Wp	675 Wp
Module Efficiency Modül Verimliliği	20.90	21.07	21.23	21.39	21.55	21.71
Maximum Power Voltage (Vmp) Maksimum Güç Gerilimi	37.48	37.68	37.88	38.08	38.28	38.48
Maximum Power Current (Imp) Maksimum Güç Akımı	17.32	17.36	17.40	17.44	17.48	17.52
Open Circuit Voltage (Voc) Açık Devre Gerilimi	45.15	45.35	45.55	45.75	45.95	46.15
Short Circuit Current (Isc) Kısa Devre Akımı	18.33	18.37	18.42	18.46	18.49	18.54
Power Tolerance Güç Toleransı	0~+5W					
Maximum System Nominal Voltage Maksimum Sistem Anma Gerilimi	1500V DC					
Operation Temperature Range Çalışma Sıcaklık Aralığı	-40 ~ +85 C°					
Safety Class Güvenlik Sınıfı	Class I Sınıf I					
Maximum Series Fuse Current Maksimum Seri Sigorta Akımı	30A					

Cell Size Hücre Boyutu (mm)	210 x 105
Number of Cells Hücre Sayısı	132 (6 x 22)
Weight Ağırlık (kg)	34.5
Panel Size Panel Boyutu (mm)	2382 x 1301 x 34
Max. Wind/Snow Load Resistance Maks. Rüzgar/Kar Yükü Dayanımı (Pa)	2400/5400
Junction Box Protection Class Bağlantı Kutusu Koruma Sınıfı	IP68
Junction Box Cable Size Bağlantı Kutusu Kablo Boyu (mm)	350-1600



BIFACIAL PERC MONOCRISTAL

144 CELL
144 HÜCRE



High Conversion Efficiency
Yüksek Dönüşüm Verimliliği



0~+5W Positive Power Tolerance
0~+5W Pozitif Güç Toleransı



High Efficiency in Low Irradiance
Düşük Işınımda Yüksek Verimlilik



High Load Capacity
Yüksek Dayanım Kapasitesi



Easy Installation
Kolay Kurulum



Self-Cleaning Glass
Kendi Kendini Temizleyen Cam

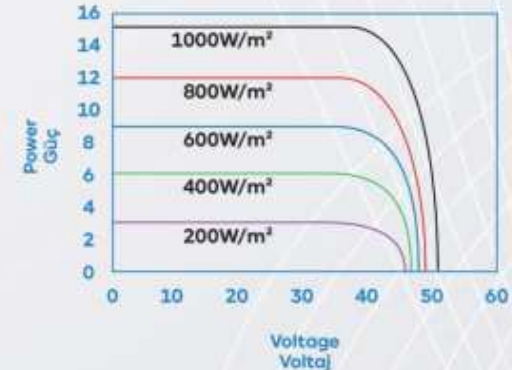
12BB

BLDC530-P12 530 Wp
BLDC535-P12 535 Wp
BLDC540-P12 540 Wp
BLDC545-P12 545 Wp
BLDC550-P12 550 Wp

Model Type Model Tipi

	BLDC530-P12	BLDC535-P12	BLDC540-P12	BLDC545-P12	BLDC550-P12
Maximum Power (Pmax) Maksimum Güç	530 Wp	535 Wp	540 Wp	545 Wp	550 Wp
Module Efficiency Modül Verimliliği	20.40	20.62	20.79	20.98	21.18
Maximum Power Voltage (Vmp) Maksimum Güç Gerilimi	41.55	41.75	41.95	42.15	42.35
Maximum Power Current (Imp) Maksimum Güç Akımı	12.70	12.75	12.81	12.87	12.93
Open Circuit Voltage (Voc) Açık Devre Gerilimi	49.38	49.58	49.78	49.98	50.18
Short Circuit Current (Isc) Kısa Devre Akımı	13.56	13.61	13.68	13.74	13.80
Power Tolerance Güç Toleransı	0~+5W				
Maximum System Nominal Voltage Maksimum Sistem Anma Gerilimi	1500V DC				
Operation Temperature Range Çalışma Sıcaklık Aralığı	-40 ~ +85 C°				
Safety Class Güvenlik Sınıfı	Class I Sınıf I				
Maximum Series Fuse Current Maksimum Seri Sigorta Akımı	25A				

Cell Size Hücre Boyutu (mm)	182 x 91	Rear Side Power Gain Arka Taraf Güç Kazanımı	%5	%10	%15	%20	%25
Number of Cells Hücre Sayısı	144 (6 x 24)	Maximum Power Maksimum Güç	582.0	589.0	614.5	641.5	670.0
Weight Ağırlık (kg)	29.0	Short Circuit Current Kısa Devre Akımı	14.98	16.47	17.96	19.53	28.52
Panel Size Panel Boyutu (mm)	2276 x 1132 x 34	Open Circuit Voltage Açık Devre Gerilimi	50.00	50.00	50.00	50.00	50.00
Max. Wind/Snow Load Resistance Maks. Rüzgar/Kar Yükü Dayanımı (Pa)	2400/5400	Maximum Power Current Maksimum Güç Akımı	13.30	14.07	14.71	15.34	15.98
Junction Box Protection Class Bağlantı Kutusu Koruma Sınıfı	IP68	Maximum Power Voltage Maksimum Güç Gerilimi	41.80	41.80	41.80	41.80	41.80
Junction Box Cable Size Bağlantı Kutusu Kablo Boyu (mm)	300-1600						



TOPCON MONOCRISTAL

120 CELL
120 HÜCRE



High Conversion Efficiency
Yüksek Dönüşüm Verimliliği



0~+5W Positive Power Tolerance
0~+5W Pozitif Güç Toleransı



High Efficiency in Low Irradiance
Düşük Işınímda Yüksek Verimlilik



High Load Capacity
Yüksek Dayanım Kapasitesi



Easy Installation
Kolay Kurulum



Self-Cleaning Glass
Kendi Kendini Temizleyen Cam

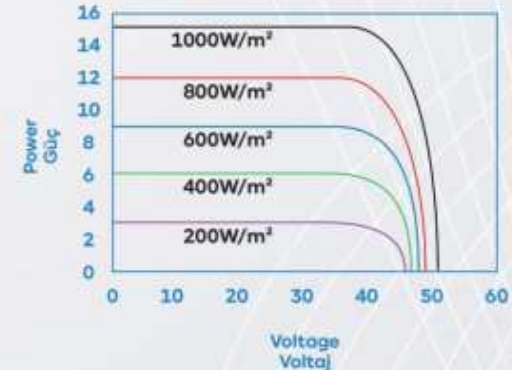
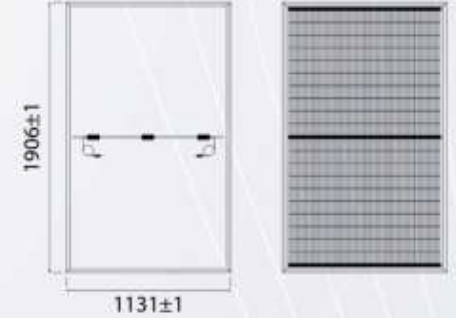
12BB

BLDC460-P12 460 Wp
BLDC465-P12 465 Wp
BLDC470-P12 470 Wp
BLDC475-P12 475 Wp
BLDC480-P12 480 Wp

Model Type Model Tipi

	BLDC460-P12	BLDC465-P12	BLDC470-P12	BLDC475-P12	BLDC480-P12
Maximum Power (Pmax) Maksimum Güç	460 Wp	465 Wp	470 Wp	475 Wp	480 Wp
Module Efficiency Modül Verimliliği	21.23	21.43	21.69	21.92	22.15
Maximum Power Voltage (Vmp) Maksimum Güç Gerilimi	35.24	35.44	35.64	35.84	36.04
Maximum Power Current (Imp) Maksimum Güç Akımı	13.03	13.10	13.17	13.23	13.30
Open Circuit Voltage (Voc) Açık Devre Gerilimi	41.88	42.08	42.28	42.48	42.68
Short Circuit Current (Isc) Kısa Devre Akımı	13.84	13.91	13.98	14.06	14.12
Power Tolerance Güç Toleransı	0~+5W				
Maximum System Nominal Voltage Maksimum Sistem Anma Gerilimi	1500V DC				
Operation Temperature Range Çalışma Sıcaklık Aralığı	-40 ~ +85 C°				
Safety Class Güvenlik Sınıfı	Class I Sınıf I				
Maximum Series Fuse Current Maksimum Seri Sigorta Akımı	25A				

Cell Size Hücre Boyutu (mm)	182 x 91
Number of Cells Hücre Sayısı	144 (6 x 20)
Weight Ağırlık (kg)	24.6
Panel Size Panel Boyutu (mm)	1906 x 1131 x 34
Max. Wind/Snow Load Resistance Maks. Rüzgar/Kar Yükü Dayanımı (Pa)	2400/5400
Junction Box Protection Class Bağlantı Kutusu Koruma Sınıfı	IP68
Junction Box Cable Size Bağlantı Kutusu Kablo Boyu (mm)	350-1600



BIFACIAL TOPCON MONOCRISTAL

108 CELL
108 HÜCRE



High Conversion Efficiency
Yüksek Dönüşüm Verimliliği



0~+5W Positive Power Tolerance
0~+5W Pozitif Güç Toleransı



High Efficiency in Low Irradiance
Düşük Işınımda Yüksek Verimlilik



High Load Capacity
Yüksek Dayanım Kapasitesi



Easy Installation
Kolay Kurulum



Self-Cleaning Glass
Kendi Kendini Temizleyen Cam

16BB

BLDC435-P16 435 Wp

BLDC440-P16 440 Wp

BLDC445-P16 445 Wp

BLDC450-P16 450 Wp



Model Type Model Tipi

Maximum Power (Pmax)
Maksimum Güç

BLDC435-P16

435 Wp

Module Efficiency
Modül Verimliliği

22.26

Maximum Power Voltage (Vmp)
Maksimum Güç Gerilimi

32.52

Maximum Power Current (Imp)
Maksimum Güç Akımı

13.35

Open Circuit Voltage (Voc)
Açık Devre Gerilimi

38.49

Short Circuit Current (Isc)
Kısa Devre Akımı

14.15

Power Tolerance
Güç Toleransı

0~+5W

Maximum System Nominal Voltage
Maksimum Sistem Anma Gerilimi

1500V DC

Operation Temperature Range
Çalışma Sıcaklık Aralığı

-40 ~ +85 C°

Safety Class
Güvenlik Sınıfı

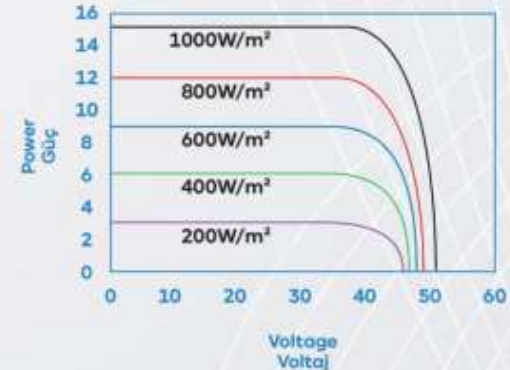
Class I Sınıf I

Maximum Series Fuse Current
Maksimum Seri Sigorta Akımı

25A

Cell Size Hücre Boyutu (mm)	182 x 91
Number of Cells Hücre Sayısı	108 (6 x 18)
Weight Ağırlık (kg)	21.45
Panel Size Panel Boyutu (mm)	1720 x 1132 x 30
Max. Wind/Snow Load Resistance Maks. Rüzgar/Kar Yükü Dayanımı (Pa)	2400/5400
Junction Box Protection Class Bağlantı Kutusu Koruma Sınıfı	IP68
Junction Box Cable Size Bağlantı Kutusu Kablo Boyu (mm)	300-1600

Rear Side Power Gain Arka Taraf Güç Kazanımı	%5	%10	%15	%20	%25
Maximum Power Maksimum Güç	467.25	489.50	511.75	534.00	556.25
Short Circuit Current Kısa Devre Akımı	15.01	15.73	16.42	17.14	17.87
Open Circuit Voltage Açık Devre Gerilimi	38.69	38.89	38.89	38.89	38.89
Maximum Power Current Maksimum Güç Akımı	14.17	14.84	15.52	16.19	16.87
Maximum Power Voltage Maksimum Güç Gerilimi	32.92	32.92	32.92	32.92	32.92



BIFACIAL TOPCON MONOCRISTAL

144 CELL
144 HÜCRE



High Conversion Efficiency
Yüksek Dönüşüm Verimliliği



0~+5W Positive Power Tolerance
0~+5W Pozitif Güç Toleransı



High Efficiency in Low Irradiance
Düşük Işınımda Yüksek Verimlilik



High Load Capacity
Yüksek Dayanım Kapasitesi



Easy Installation
Kolay Kurulum



Self-Cleaning Glass
Kendi Kendini Temizleyen Cam

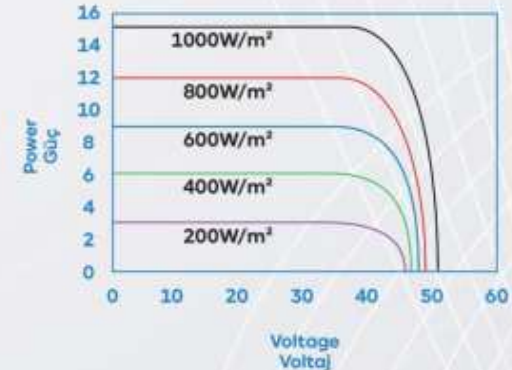
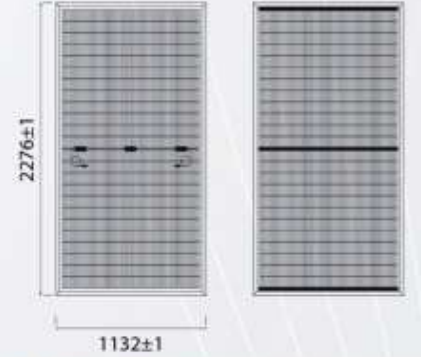
12BB

BLDC605-P10 605 Wp
BLDC610-P10 610 Wp
BLDC615-P10 615 Wp
BLDC620-P10 620 Wp
BLDC625-P10 625 Wp
BLDC630-P10 630 Wp

Model Type Model Tipi

	BLDC605-P12	BLDC610-P12	BLDC615-P12	BLDC620-P12	BLDC625-P12	BLDC630-P12
Maximum Power (Pmax) Maksimum Güç	605 Wp	610 Wp	615 Wp	620 Wp	625 Wp	630 Wp
Module Efficiency Modül Verimliliği	21.58	21.78	21.98	22.18	22.38	22.48
Maximum Power Voltage (Vmp) Maksimum Güç Gerilimi	42.89	43.09	43.29	43.49	43.69	43.88
Maximum Power Current (Imp) Maksimum Güç Akımı	14.08	14.13	14.18	14.23	14.28	14.33
Open Circuit Voltage (Voc) Açık Devre Gerilimi	51.25	51.45	51.65	51.84	52.03	52.22
Short Circuit Current (Isc) Kısa Devre Akımı	14.80	14.85	14.90	14.95	15.00	15.05
Power Tolerance Güç Toleransı	0~+5W					
Maximum System Nominal Voltage Maksimum Sistem Anma Gerilimi	1500V DC					
Operation Temperature Range Çalışma Sıcaklık Aralığı	-40 ~ +85 C°					
Safety Class Güvenlik Sınıfı	Class I Sınıf I					
Maximum Series Fuse Current Maksimum Seri Sigorta Akımı	30A					

Cell Size Hücre Boyutu (mm)	182 x 91
Number of Cells Hücre Sayısı	144 (6 x 24)
Weight Ağırlık (kg)	34.5
Panel Size Panel Boyutu (mm)	2276 x 1132 x 30
Max. Wind/Snow Load Resistance Maks. Rüzgar/Kar Yükü Dayanımı (Pa)	2400/5400
Junction Box Protection Class Bağlantı Kutusu Koruma Sınıfı	IP68
Junction Box Cable Size Bağlantı Kutusu Kablo Boyu (mm)	300-1600



FLEXIBLE SOLAR PANEL



Prism Surface
Prizma Yüzey



Perfect Light Transmittance with ETFE
ETFE ile Kusursuz Işık Geçirgenliği



IBC Cell Technology
IBC Hücre Teknolojisi



Flexible Design
Esnek Tasarım



Ultra-Lightweight Structure
Ultra Hafif Yapı



IP68 Protection Class
IP68 Koruma Sınıfı



Model Type Model Tipi

Maximum Power (Pmax)
Maksimum Güç

110 Wp

170 Wp

Module Efficiency
Modül Verimliliği

17.30

18.30

Maximum Power Voltage (Vmp)
Maksimum Güç Gerilimi

18.82

28.80

Maximum Power Current (Imp)
Maksimum Güç Akımı

5.88

5.88

Open Circuit Voltage (Voc)
Açık Devre Gerilimi

22.78

34.58

Short Circuit Current (Isc)
Kısa Devre Akımı

6.30

6.30

Power Tolerance
Güç Toleransı

0~+5W

Maximum System Nominal Voltage
Maksimum Sistem Anma Gerilimi

600V DC

Maximum Series Fuse Current
Maksimum Seri Sigorta Akımı

15A

Model

BLDC-FLEX-110

BLDC-FLEX-170

Number of Bypass Diodes
ByPass Diyot Sayısı

2

3

Weight (kg)
Ağırlık

2.3

3.2

Panel Size
Panel Boyutu (mm)

1132 x 553 x 3

1132 x 810 x 3

Junction Box Protection Class
Bağlantı Kutusu Koruma Sınıfı

IP68

The Future of Light,
The Light of the Future.



Işığın Geleceği,
Geleceğin Işığı.



BIFACIAL TOPCON MONOCRISTAL BLACK

144 CELL
144 HÜCRE



High Conversion Efficiency
Yüksek Dönüşüm Verimliliği



0~+5W Positive Power Tolerance
0~+5W Pozitif Güç Toleransı



High Efficiency in Low Irradiance
Düşük Işınımda Yüksek Verimlilik



High Load Capacity
Yüksek Dayanım Kapasitesi



Easy Installation
Kolay Kurulum



Self-Cleaning Glass
Kendi Kendini Temizleyen Cam

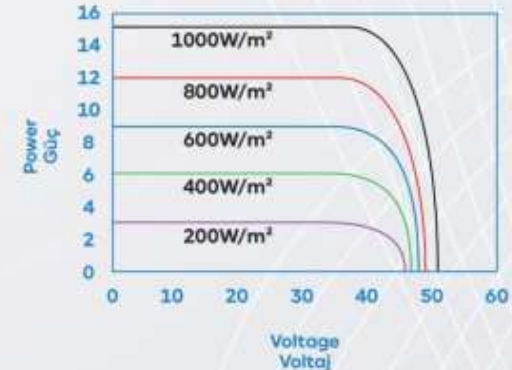
BLDC585-P16 585 Wp
BLDC590-P16 590 Wp
BLDC595-P16 595 Wp
BLDC600-P16 600 Wp
BLDC605-P16 605 Wp

16BB

Model Type Model Tipi

	BLDC585-P16	BLDC590-P16	BLDC595-P16	BLDC600-P16	BLDC605-P16
Maximum Power (Pmax) Maksimum Güç	585 Wp	590 Wp	595 Wp	600 Wp	605 Wp
Module Efficiency Modül Verimliliği	22.64	22.83	23.02	23.21	23.40
Maximum Power Voltage (Vmp) Maksimum Güç Gerilimi	43.13	43.33	43.53	43.73	43.93
Maximum Power Current (Imp) Maksimum Güç Akımı	13.54	13.60	13.65	13.70	13.75
Open Circuit Voltage (Voc) Açık Devre Gerilimi	51.16	51.36	51.56	51.76	51.96
Short Circuit Current (Isc) Kısa Devre Akımı	14.36	14.43	14.51	14.58	14.65
Power Tolerance Güç Toleransı	0~+5W				
Maximum System Nominal Voltage Maksimum Sistem Anma Gerilimi	1500V DC				
Operation Temperature Range Çalışma Sıcaklık Aralığı	-40 ~ +85 C°				
Safety Class Güvenlik Sınıfı	Class I Sınıf I				
Maximum Series Fuse Current Maksimum Seri Sigorta Akımı	25A				

Cell Size Hücre Boyutu (mm)	182 x 91	Rear Side Power Gain Arka Taraf Güç Kazanımı					%5	%10	%15	%20	%25
Number of Cells Hücre Sayısı	144 (6 x 24)	Maximum Power Maksimum Güç					619.5	649.0	678.5	708.0	737.5
Weight Ağırlık (kg)	29.0	Short Circuit Current Kısa Devre Akımı					15.16	15.28	16.60	17.32	18.06
Panel Size Panel Boyutu (mm)	2276 x 1132 x 34	Open Circuit Voltage Açık Devre Gerilimi					51.36	51.36	51.36	51.36	51.36
Max. Wind/Snow Load Resistance Maks. Rüzgar/Kar Yükü Dayanımı (Pa)	2400/5400	Maximum Power Current Maksimum Güç Akımı					14.28	14.96	15.64	16.32	17.01
Junction Box Protection Class Bağlantı Kutusu Koruma Sınıfı	IP68	Maximum Power Voltage Maksimum Güç Gerilimi					43.34	43.34	43.34	43.34	43.34
Junction Box Cable Size Bağlantı Kutusu Kablo Boyu (mm)	300-1600										



PERC MONOCRISTAL BLACK

132 CELL
132 HÜCRE



High Conversion Efficiency
Yüksek Dönüşüm Verimliliği



0~+5W Positive Power Tolerance
0~+5W Pozitif Güç Toleransı



High Efficiency in Low Irradiance
Düşük Işınımda Yüksek Verimlilik



High Load Capacity
Yüksek Dayanım Kapasitesi



Easy Installation
Kolay Kurulum



Self-Cleaning Glass
Kendi Kendini Temizleyen Cam

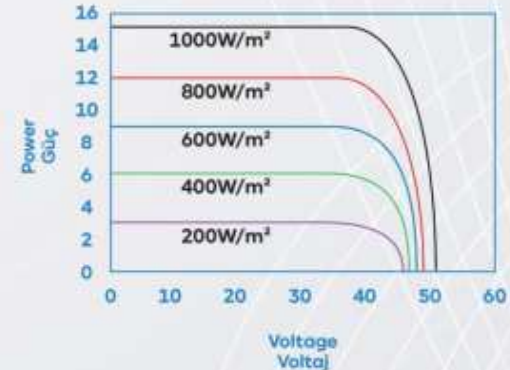
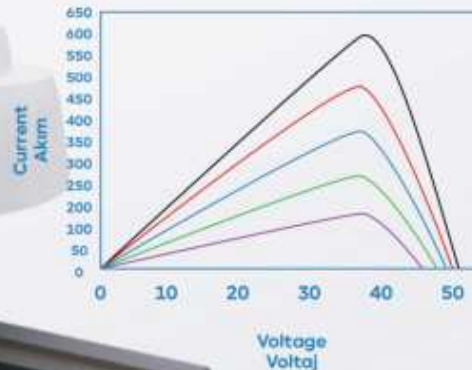
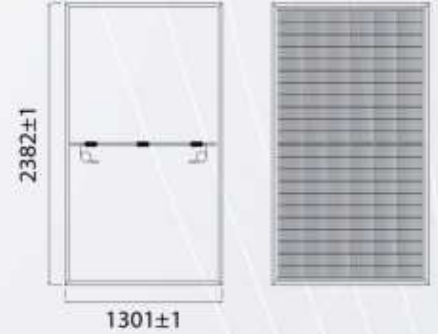
12BB

BLDC650-P12 650 Wp
BLDC655-P12 655 Wp
BLDC660-P12 660 Wp
BLDC665-P12 665 Wp
BLDC670-P12 670 Wp
BLDC675-P12 675 Wp

Model Type Model Tipi

	BLDC650-P12	BLDC655-P12	BLDC660-P12	BLDC665-P12	BLDC670-P12	BLDC675-P12
Maximum Power (Pmax) Maksimum Güç	650 Wp	655 Wp	660 Wp	665 Wp	670 Wp	675 Wp
Module Efficiency Modül Verimliliği	20.90	21.07	21.23	21.39	21.55	21.71
Maximum Power Voltage (Vmp) Maksimum Güç Gerilimi	37.48	37.68	37.88	38.08	38.28	38.48
Maximum Power Current (Imp) Maksimum Güç Akımı	17.32	17.36	17.40	17.44	17.48	17.52
Open Circuit Voltage (Voc) Açık Devre Gerilimi	45.15	45.35	45.55	45.75	45.95	46.15
Short Circuit Current (Isc) Kısa Devre Akımı	18.33	18.37	18.42	18.46	18.49	18.54
Power Tolerance Güç Toleransı	0~+5W					
Maximum System Nominal Voltage Maksimum Sistem Anma Gerilimi	1500V DC					
Operation Temperature Range Çalışma Sıcaklık Aralığı	-40 ~ +85 C°					
Safety Class Güvenlik Sınıfı	Class I Sınıf I					
Maximum Series Fuse Current Maksimum Seri Sigorta Akımı	30A					

Cell Size Hücre Boyutu (mm)	210 x 105
Number of Cells Hücre Sayısı	132 (6 x 22)
Weight Ağırlık (kg)	34.5
Panel Size Panel Boyutu (mm)	2382 x 1301 x 34
Max. Wind/Snow Load Resistance Maks. Rüzgar/Kar Yükü Dayanımı (Pa)	2400/5400
Junction Box Protection Class Bağlantı Kutusu Koruma Sınıfı	IP68
Junction Box Cable Size Bağlantı Kutusu Kablo Boyu (mm)	350-1600



BIFACIAL PERC MONOCRISTAL BLACK

144 CELL
144 HÜCRE



High Conversion Efficiency
Yüksek Dönüşüm Verimliliği



0~+5W Positive Power Tolerance
0~+5W Pozitif Güç Toleransı



High Efficiency in Low Irradiance
Düşük Işınımda Yüksek Verimlilik



High Load Capacity
Yüksek Dayanım Kapasitesi



Easy Installation
Kolay Kurulum



Self-Cleaning Glass
Kendi Kendini Temizleyen Cam

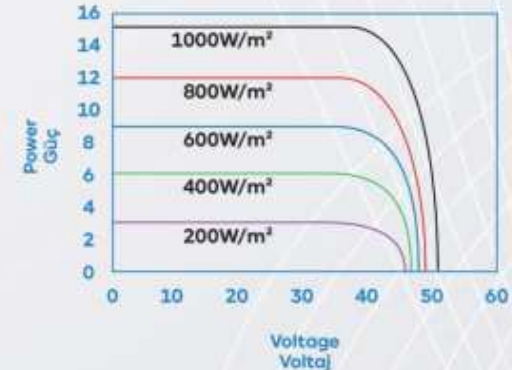
12BB

BLDC530-P12 530 Wp
BLDC535-P12 535 Wp
BLDC540-P12 540 Wp
BLDC545-P12 545 Wp
BLDC550-P12 550 Wp

Model Type Model Tipi

	BLDC530-P12	BLDC535-P12	BLDC540-P12	BLDC545-P12	BLDC550-P12
Maximum Power (Pmax) Maksimum Güç	530 Wp	535 Wp	540 Wp	545 Wp	550 Wp
Module Efficiency Modül Verimliliği	20.40	20.62	20.79	20.98	21.18
Maximum Power Voltage (Vmp) Maksimum Güç Gerilimi	41.55	41.75	41.95	42.15	42.35
Maximum Power Current (Imp) Maksimum Güç Akımı	12.70	12.75	12.81	12.87	12.93
Open Circuit Voltage (Voc) Açık Devre Gerilimi	49.38	49.58	49.78	49.98	50.18
Short Circuit Current (Isc) Kısa Devre Akımı	13.56	13.61	13.68	13.74	13.80
Power Tolerance Güç Toleransı	0~+5W				
Maximum System Nominal Voltage Maksimum Sistem Anma Gerilimi	1500V DC				
Operation Temperature Range Çalışma Sıcaklık Aralığı	-40 ~ +85 C°				
Safety Class Güvenlik Sınıfı	Class I Sınıf I				
Maximum Series Fuse Current Maksimum Seri Sigorta Akımı	25A				

Cell Size Hücre Boyutu (mm)	182 x 91	Rear Side Power Gain Arka Taraf Güç Kazanımı	%5	%10	%15	%20	%25
Number of Cells Hücre Sayısı	144 (6 x 24)	Maximum Power Maksimum Güç	582.0	589.0	614.5	641.5	670.0
Weight Ağırlık (kg)	29.0	Short Circuit Current Kısa Devre Akımı	14.98	16.47	17.96	19.53	28.52
Panel Size Panel Boyutu (mm)	2276 x 1132 x 34	Open Circuit Voltage Açık Devre Gerilimi	50.00	50.00	50.00	50.00	50.00
Max. Wind/Snow Load Resistance Maks. Rüzgar/Kar Yükü Dayanımı (Pa)	2400/5400	Maximum Power Current Maksimum Güç Akımı	13.30	14.07	14.71	15.34	15.98
Junction Box Protection Class Bağlantı Kutusu Koruma Sınıfı	IP68	Maximum Power Voltage Maksimum Güç Gerilimi	41.80	41.80	41.80	41.80	41.80
Junction Box Cable Size Bağlantı Kutusu Kablo Boyu (mm)	300-1600						



TOPCON MONOCRISTAL BLACK

120 CELL 120 HÜCRE



High Conversion Efficiency
Yüksek Dönüşüm Verimliliği



0~+5W Positive Power Tolerance
0~+5W Pozitif Güç Toleransı



High Efficiency in Low Irradiance
Düşük Işınımda Yüksek Verimlilik



High Load Capacity
Yüksek Dayanım Kapasitesi



Easy Installation
Kolay Kurulum



Self-Cleaning Glass
Kendi Kendini Temizleyen Cam

12BB

BLDC460-P12 460 Wp
BLDC465-P12 465 Wp
BLDC470-P12 470 Wp
BLDC475-P12 475 Wp
BLDC480-P12 480 Wp

Model Type Model Tipi

Maximum Power (Pmax)
Maksimum Güç

Module Efficiency
Modül Verimliliği

Maximum Power Voltage (Vmp)
Maksimum Güç Gerilimi

Maximum Power Current (Imp)
Maksimum Güç Akımı

Open Circuit Voltage (Voc)
Açık Devre Gerilimi

Short Circuit Current (Isc)
Kısa Devre Akımı

Power Tolerance
Güç Toleransı

Maximum System Nominal Voltage
Maksimum Sistem Anma Gerilimi

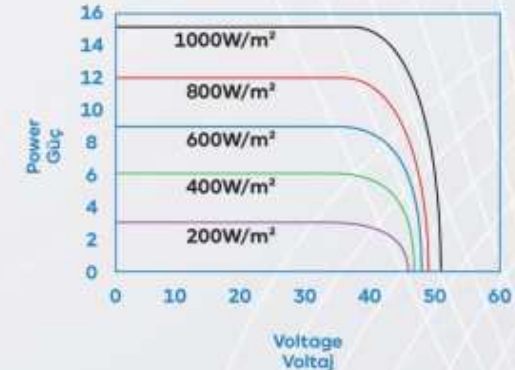
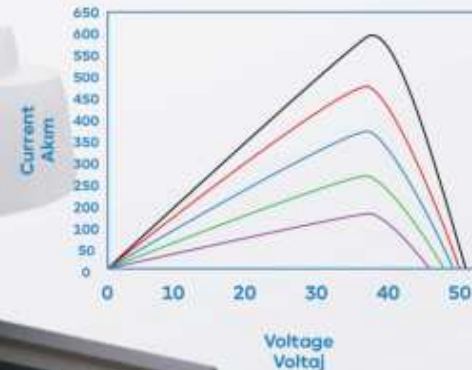
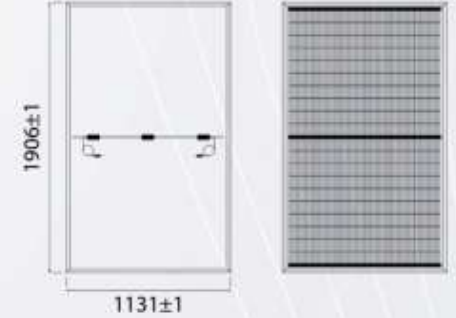
Operation Temperature Range
Çalışma Sıcaklık Aralığı

Safety Class
Güvenlik Sınıfı

Maximum Series Fuse Current
Maksimum Seri Sigorta Akımı

BLDC460-P12	BLDC465-P12	BLDC470-P12	BLDC475-P12	BLDC480-P12
460 Wp	465 Wp	470 Wp	475 Wp	480 Wp
21.23	21.43	21.69	21.92	22.15
35.24	35.44	35.64	35.84	36.04
13.03	13.10	13.17	13.23	13.30
41.88	42.08	42.28	42.48	42.68
13.84	13.91	13.98	14.06	14.12
0~+5W				
1500V DC				
-40 ~ +85 C°				
Class I Sınıf I				
25A				

Cell Size Hücre Boyutu (mm)	182 x 91
Number of Cells Hücre Sayısı	144 (6 x 20)
Weight Ağırlık (kg)	24.6
Panel Size Panel Boyutu (mm)	1906 x 1131 x 34
Max. Wind/Snow Load Resistance Maks. Rüzgar/Kar Yükü Dayanımı (Pa)	2400/5400
Junction Box Protection Class Bağlantı Kutusu Koruma Sınıfı	IP68
Junction Box Cable Size Bağlantı Kutusu Kablo Boyu (mm)	350-1600



BIFACIAL TOPCON MONOCRISTAL BLACK

108 CELL
108 HÜCRE



High Conversion Efficiency
Yüksek Dönüşüm Verimliliği



0~+5W Positive Power Tolerance
0~+5W Pozitif Güç Toleransı



High Efficiency in Low Irradiance
Düşük Işınımda Yüksek Verimlilik



High Load Capacity
Yüksek Dayanım Kapasitesi



Easy Installation
Kolay Kurulum



Self-Cleaning Glass
Kendi Kendini Temizleyen Cam

16BB

BLDC435-P16 435 Wp

BLDC440-P16 440 Wp

BLDC445-P16 445 Wp

BLDC450-P16 450 Wp

Model Type Model Tipi

Maximum Power (Pmax)
Maksimum Güç

Module Efficiency
Modül Verimliliği

Maximum Power Voltage (Vmp)
Maksimum Güç Gerilimi

Maximum Power Current (Imp)
Maksimum Güç Akımı

Open Circuit Voltage (Voc)
Açık Devre Gerilimi

Short Circuit Current (Isc)
Kısa Devre Akımı

Power Tolerance
Güç Toleransı

Maximum System Nominal Voltage
Maksimum Sistem Anma Gerilimi

Operation Temperature Range
Çalışma Sıcaklık Aralığı

Safety Class
Güvenlik Sınıfı

Maximum Series Fuse Current
Maksimum Seri Sigorta Akımı

BLDC435-P16

BLDC440-P16

BLDC445-P16

BLDC450-P16

435 Wp

440 Wp

445 Wp

450 Wp

22.26

22.51

22.77

23.02

32.52

32.72

32.92

33.12

13.35

13.42

13.49

13.56

38.49

38.69

38.89

39.09

14.15

14.22

14.29

14.36

0~+5W

1500V DC

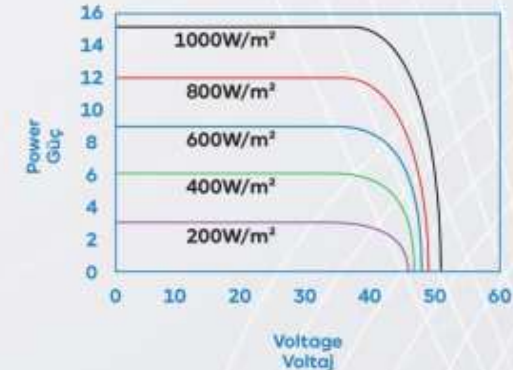
-40 ~ +85 C°

Class I Sınıf I

25A

Cell Size Hücre Boyutu (mm)	182 x 91
Number of Cells Hücre Sayısı	108 (6 x 18)
Weight Ağırlık (kg)	21.45
Panel Size Panel Boyutu (mm)	1720 x 1132 x 30
Max. Wind/Snow Load Resistance Maks. Rüzgar/Kar Yükü Dayanımı (Pa)	2400/5400
Junction Box Protection Class Bağlantı Kutusu Koruma Sınıfı	IP68
Junction Box Cable Size Bağlantı Kutusu Kablo Boyu (mm)	300-1600

Rear Side Power Gain Arka Taraf Güç Kazanımı	%5	%10	%15	%20	%25
Maximum Power Maksimum Güç	467.25	489.50	511.75	534.00	556.25
Short Circuit Current Kısa Devre Akımı	15.01	15.73	16.42	17.16	17.87
Open Circuit Voltage Açık Devre Gerilimi	38.69	38.89	38.89	38.89	38.89
Maximum Power Current Maksimum Güç Akımı	14.17	14.84	15.52	16.19	16.87
Maximum Power Voltage Maksimum Güç Gerilimi	32.92	32.92	32.92	32.92	32.92



BIFACIAL TOPCON MONOCRISTAL BLACK

144 CELL
144 HÜCRE



High Conversion Efficiency
Yüksek Dönüşüm Verimliliği



0~+5W Positive Power Tolerance
0~+5W Pozitif Güç Toleransı



High Efficiency in Low Irradiance
Düşük Işınımda Yüksek Verimlilik



High Load Capacity
Yüksek Dayanım Kapasitesi



Easy Installation
Kolay Kurulum



Self-Cleaning Glass
Kendi Kendini Temizleyen Cam

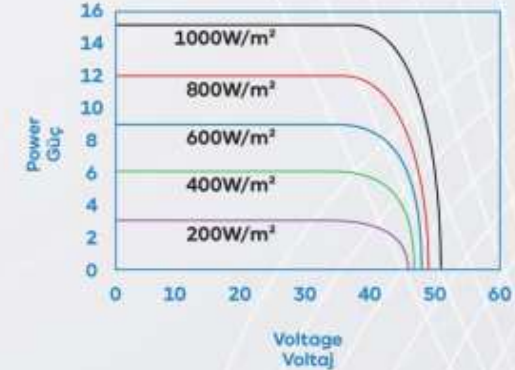
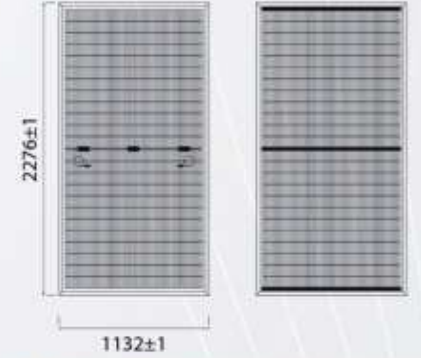
12BB

BLDC605-P10 605 Wp
BLDC610-P10 610 Wp
BLDC615-P10 615 Wp
BLDC620-P10 620 Wp
BLDC625-P10 625 Wp
BLDC630-P10 630 Wp

Model Type Model Tipi

	BLDC605-P12	BLDC610-P12	BLDC615-P12	BLDC620-P12	BLDC625-P12	BLDC630-P12
Maximum Power (Pmax) Maksimum Güç	605 Wp	610 Wp	615 Wp	620 Wp	625 Wp	630 Wp
Module Efficiency Modül Verimliliği	21.58	21.78	21.98	22.18	22.38	22.48
Maximum Power Voltage (Vmp) Maksimum Güç Gerilimi	42.89	43.09	43.29	43.49	43.69	43.88
Maximum Power Current (Imp) Maksimum Güç Akımı	14.08	14.13	14.18	14.23	14.28	14.33
Open Circuit Voltage (Voc) Açık Devre Gerilimi	51.25	51.45	51.65	51.84	52.03	52.22
Short Circuit Current (Isc) Kısa Devre Akımı	14.80	14.85	14.90	14.95	15.00	15.05
Power Tolerance Güç Toleransı	0~+5W					
Maximum System Nominal Voltage Maksimum Sistem Anma Gerilimi	1500V DC					
Operation Temperature Range Çalışma Sıcaklık Aralığı	-40 ~ +85 C°					
Safety Class Güvenlik Sınıfı	Class I Sınıf I					
Maximum Series Fuse Current Maksimum Seri Sigorta Akımı	30A					

Cell Size Hücre Boyutu (mm)	182 x 91
Number of Cells Hücre Sayısı	144 (6 x 24)
Weight Ağırlık (kg)	34.5
Panel Size Panel Boyutu (mm)	2276 x 1132 x 30
Max. Wind/Snow Load Resistance Maks. Rüzgar/Kar Yükü Dayanımı (Pa)	2400/5400
Junction Box Protection Class Bağlantı Kutusu Koruma Sınıfı	IP68
Junction Box Cable Size Bağlantı Kutusu Kablo Boyu (mm)	300-1600



**The Power from the Sky,
Unlimited Energy on Earth.**



**Gökyüzünden Gelen Güç,
Yeryüzünde Sınırsız Enerji.**



BLADECO SOLAR

Accesories and Parts
• • •
Aksesuarlar ve Parçalar





Solar Cable Solar Kablo

Solar cable is a durable, UV- and temperature-resistant cable used in solar energy systems. Its flexible structure, low energy loss, and double insulation ensure safe and efficient connections. It is typically TÜV or IEC certified and suitable for outdoor use.

Solar kablo, güneş enerjisi sistemlerinde kullanılan dayanıklı, UV ve sıcaklık direnci yüksek bir kablodur. Esnek yapısı, düşük enerji kaybı ve çift yalıtımı sayesinde güvenli ve verimli bağlantı sağlar. Genellikle TÜV veya IEC sertifikalıdır ve dış mekan kullanımına uygundur.



Solar Connector Solar Bağlantı Parçaları

A solar connector is used to connect solar panels, inverters, and other components of a solar power system. It ensures secure and efficient electrical connections, with weather-resistant properties to withstand outdoor conditions. Common types include MC4 connectors, which are widely used in solar installations.

Solar konnektör, güneş panelleri, invertörler ve diğer solar güç sistemi bileşenlerini bağlamak için kullanılır. Güvenli ve verimli elektrik bağlantıları sağlar, dış mekan koşullarına dayanıklı özelliklere sahiptir. En yaygın türler arasında, solar kurulumlarında yaygın olarak kullanılan MC4 konnektörleri bulunur.



Solar Construction Solar Konstrüksiyon

Solar construction refers to durable and reliable mounting systems used to install solar panels. It includes roof, ground, or tracking systems, designed for maximum energy efficiency and weather resistance.

Solar konstrüksiyon, güneş panellerini kurmak için kullanılan dayanıklı ve güvenilir montaj sistemleridir. Çatı, zemin veya takip sistemlerini içerir ve enerji verimliliği ile hava koşullarına dayanıklılık sağlar.



Solar Battery Solar Akü

A solar battery stores excess energy generated by solar panels for later use. It ensures a continuous power supply during cloudy days or at night, providing energy independence and backup during power outages. Solar batteries are often integrated into off-grid or hybrid solar systems.

Solar pil, güneş panelleri tarafından üretilen fazla enerjiyi daha sonra kullanılmak üzere depolar. Bulutlu günlerde veya gece saatlerinde kesintisiz enerji sağlar, enerji bağımsızlığı sunar ve elektrik kesintilerinde yedek güç sağlar. Solar piller genellikle off-grid veya hibrit solar sistemlerde kullanılır.



Off- Grid Solar Inverter Şebekeden Bağımsız Solar İnvertör

An off-grid solar inverter operates independently of the public grid. It converts DC to AC and stores excess energy in batteries for later use. Ideal for remote areas or locations without reliable access to electricity, it provides full autonomy from the grid.

Off-grid solar invertör, halka açık şebekeden bağımsız çalışır. DC'yi AC'ye dönüştürür ve fazla enerjiyi bataryalarda depolarak ilerleyen zamanlarda kullanılmak üzere saklar. Uzak bölgeler veya elektrik erişimi olmayan alanlar için idealdir ve şebekeden tamamen bağımsızlık sağlar.



On-Grid Solar Inverter Şebekeye Bağlı Solar İnvertör

An on-grid solar inverter is connected to the public electricity grid. It converts the DC electricity from the solar panels into AC and feeds excess energy back into the grid. This system allows homeowners or businesses to reduce their energy bills and earn credits for surplus power production.

On-grid solar invertör, halka açık elektrik şebekesine bağlanır. Güneş panellerinden gelen doğru akımı AC'ye dönüştürür ve fazla enerjiyi şebekeye geri gönderir. Bu sistem, ev sahiplerinin veya işletmelerin enerji faturalarını azaltmasına ve fazla enerji üretimi için kredi kazanmalarına olanak tanır.



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