


METARIAL HANDLING LITHIUM BATTERY CATALOG



 2 Hour Charge

 +3000 Cycle Life

 Maintenance Free

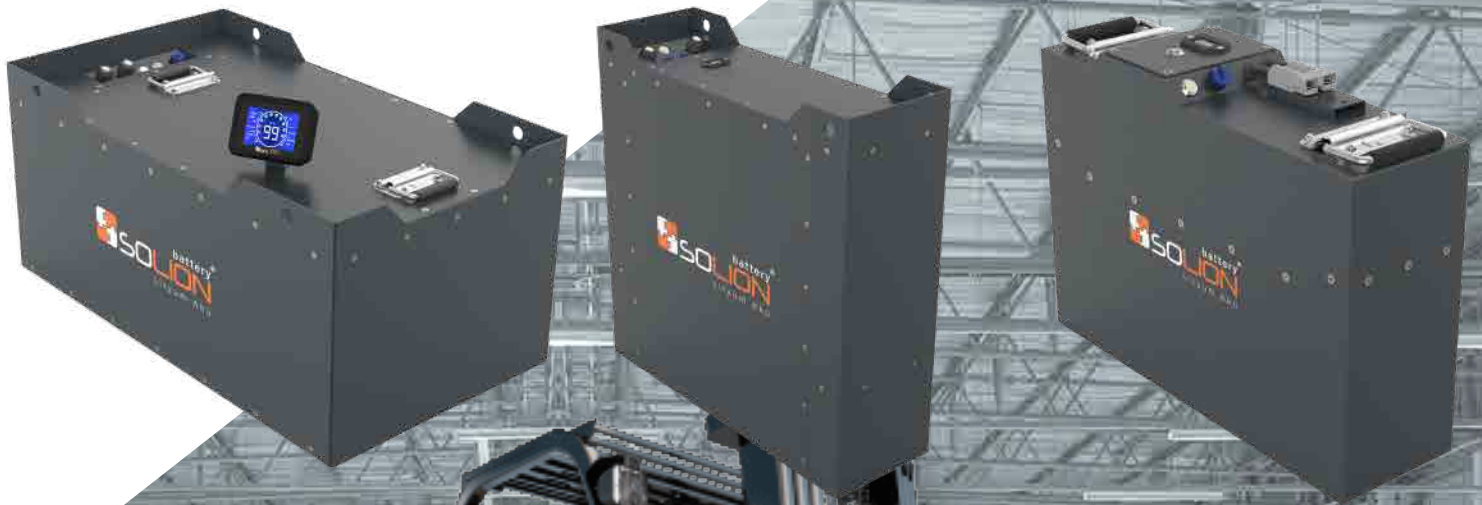
 Opportunity Charging

 5 Years Warranty


%100
LITHIUM

ankoenerji.com.tr

V4 - R1 -2022



APPLICATIONS

- Forklifts
- Transpalets
- Tow-Truck
- Reachtruck
- Stackers



SOLION BATTERY PACKS IN 10 STEPS



LONG CYCLE LIFE

With a design life of 15 years, SOLION lithium batteries offer 6.000 cycles compared to conventional batteries. Life expectations of solion batteries are over 10 years.

FAST CHARGING

Intensive operations are easily solved with SOLION lithium batteries, which can provide fast charging up to 2 hours.



OPPORTUNITY

With the opportunity charge compatibility of SOLION batteries, your busy processes will not be interrupted by partial charging during rest and lunch breaks. Intermediate charge or partial discharge will not damage the battery.

MAINTENANCE

You can use solion lithium batteries, which do not require special maintenance, with maximum efficiency by fully charging them once a month.



COST

Although the initial investment cost of SOLION Lithium batteries is relatively high, the total cost of ownership is as low as 1/3 compared to lead acid batteries.

ENERGY EFFICIENCY

Total charging efficiency in SOLION lithium batteries is 95%, which is 30% higher than conventional batteries.



SECOND LIFE

Batteries that lose their capacity over time due to intensive use are directed to units with lower operational intensity. There is no sudden death in Solion batteries.

SAFETY AND SECURITY

SOLION Lithium batteries do not emit flammable or toxic gases during charging and discharging. Hence they are suitable for use in closed environments. With built in BMS, user errors are minimized.



ENVIRONMENTAL CONDITIONS

In cold weather conditions (>-10°C), the capacity loss of SOLION Lithium batteries is half that of conventional batteries. In hot weather conditions, the batteries heat up much less than conventional batteries without loss of capacity.

CAPACITY USE

The capacity utilization of SOLION lithium batteries is up to 90%. There is no capacity loss in high discharge current applications.



SUPERIOR FEATURES COMPARED TO OTHER BATTERIES

- ✔ Low Self Discharge
- ✔ Passive Thermal Management System
- ✔ Mass Production
- ✔ Vibration Resistant internal Structure and Casing
- ✔ Safe LiFePO4 Cell Chemistry
- ✔ High Service Capability

SMART FEATURES

- ✔ LCD / LED Display
- ✔ Audible / Visual Warning System
- ✔ Can Bus / ModBus Communication
- ✔ Application Specific Solutions
- ✔ Status Monitoring via PC
- ✔ Easy Plug & Play Structure

SAFETY EQUIPMENT

- ✔ Built-in Battery Management System (BMS)
- ✔ Short Circuit Protection
- ✔ Low / High Temperature Protection
- ✔ Under / Over Voltage Protection
- ✔ High Charge / Discharge Current Protection
- ✔ Deep Discharge Protection
- ✔ Sleep Function

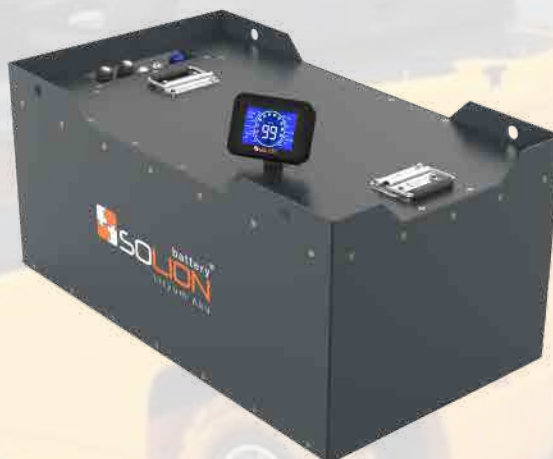
10 ~ 15 Years
LIFE EXPECTATION

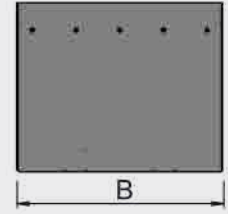
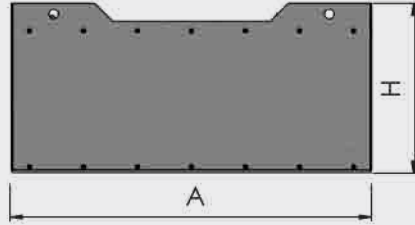
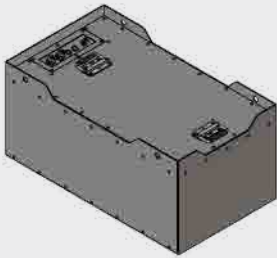


5 YEARS
GUARANTEE

>3,000 Full Cycles
@20% Capacity Loss

>6,000 Full Cycles
@ End of Life





Forklifts Lithium Batteries / 48V

MODEL	VOLTAGE	CAPACITY	LEAD ACID EQUIVALENT	L	L	H	WEIGHT
	(V)	(Ah)	(Ah)	(A)	(B)	(H)	(kg)
SK48315F15CT105LB000TFTS0401	48V	315	450	635	460	375	150
SK48420F15CT105LB000TFTS0401		420	595	800	458	375	200
SK48480F15CT160LB000TFTS0401		480	665	800	355	552	225
SK48640F15CT160LB000TFTS0401		640	880	800	450	552	285
SK48640F15CT160LB000TFTS0402		640	880	1010	620	290	265

Forklifts Lithium Batteries / 80V

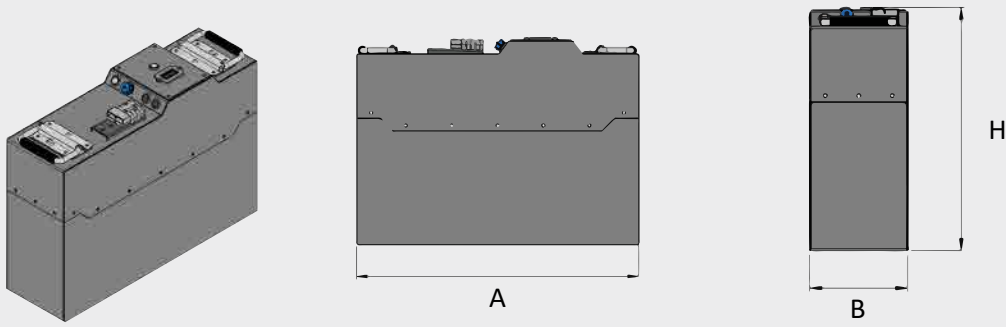
MODEL	VOLTAGE	CAPACITY	LEAD ACID EQUIVALENT	L	L	H	WEIGHT
	(V)	(Ah)	(Ah)	(A)	(B)	(H)	(kg)
SK80315F24CT105LB000TFTS0401	80V	315	425	956	448	375	240
SK80420F24CT105LB000TFTS0401		420	565	956	582	370	305
SK80480F24CT160LB000TFTS0401		480	635	900	512	552	350
SK80640F24CT160LB000TFTS0401		640	835	900	652	552	450

- 3.5" TFT Battery Display and Cable Set are available in SK Series Batteries.
- 5 Year Warranty.
- Capacity comparison is calculated over net usable energy (kWh).
- ANKO Energy Inc. reserves the right to change models and features without notice.



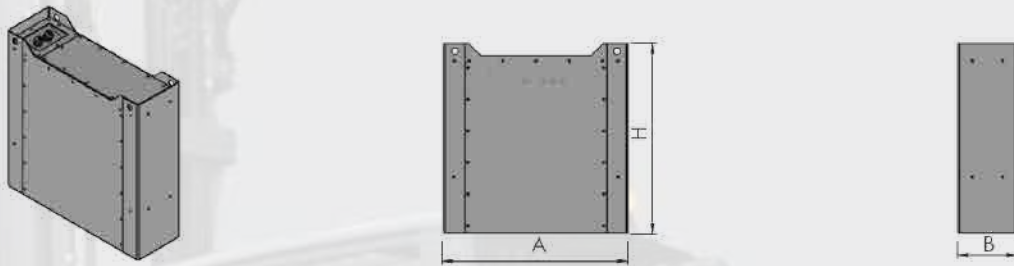
For Different Capacities and Dimensions, please

Ask Information.



Lithium Batteries - 24V

MODEL	VOLTAGE	CAPACITY	LEAD ACID EQUIVALENT	L	L	H	WEIGHT	WITH COUNTER WEIGHT
	(V)	(Ah)	(Ah)	(A)	(B)	(H)	(kg)	(Kg)
SF24105F08CT105SM200LEDS0301	24V	105	160	444	132	325	25	-
SF24210F08CT105SM200LEDS0302		210	314	580	160	394	65	-



Lithium Batteries - 24V

MODEL	VOLTAGE	CAPACITY	LEAD ACID EQUIVALENT	L	L	H	WEIGHT	WITH COUNTER WEIGHT
	(V)	(Ah)	(Ah)	(A)	(B)	(H)	(kg)	(Kg)
SF24105F08CT105SM080LEDS0302	24V	105	160	647	147	687	55	160
SF24210F08CT105SM080LEDS0301		210	314	621	209	627	75	220
SF24320F08CT160SM080LEDS0301		320	470	621	281	627	100	310

- Onboard Led bar display included.
- 5 Year Warranty.
- Capacity comparison is calculated over net usable energy (kWh).
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For Different Capacities and Dimensions, please

Ask Information.

HF Chargers - 48V / 80V

ÜRÜN KODU	MODEL	VOLTAGE	MAX. ŞARJ AKIMI	VOLTAGE
		(V)	(Amper)	
SC48A95F15ZNNNG5NOC	SC48A95F15ZNNNG5NOC	48V	80A	380V
SC48A160F15ZNNNG9PNOC	SC48A160F15ZNNNG9PNOC		135A	
SC80A120F24ZNNNG9PNOC	SC80A120F24ZNNNG9PNOC	80V	100A	

HF Chargers - 24V

ÜRÜN KODU	MODEL	VOLTAGE	MAX. ŞARJ AKIMI	VOLTAGE
		(V)	(Amper)	
SC24W750F08SM750MOD	SC 2430-F08	24V	25A	220V
SC24A30F08ZNBC1NOC	SC 24750-F08		30A	
SC24A30F08GPGPSCNOC	SC 2430-F08GP		30A	
SC24A60F08ZNNNG3NOC	SC 2460-F08		50A	
SC24A95F08ZNNNG3NOC	SC 2495-F08		80A	

- For high-capacity chargers, get information from our sales representative.
- 2 Year Warranty.
- ANKO Energy Inc. reserves the right to change models and features without notice



For Different Capacities and Dimensions, please

Ask Information.

 **SOLUTION** battery®
Lithium Battery

HEAD OFFICE

Anko Enerji Sanayi ve Ticaret A.Ş.
Yenişehir Mah. Alev Sok. No:7A
41041 IZMIT / KOCAELI - TURKEY
Tel : 0262 311 20 21 - Fax : 0262 311 60 47

FACTORY

Altınkale Mah. Atatürk Cad. No:266/2
07000 DÖŞEMEALTI / ANTALYA / TÜRKİYE

E-mail : info@ankoenerji.com.tr

