

TLi 52100 x

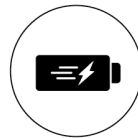
Lithium-ion battery module specially designed for energy storage system with 48V system



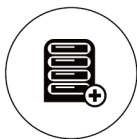
- Easy to install on the floor.
- Suitable for wide range of inverters with 48V system



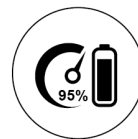
Compact size and Lightweight
Built-in lithium-ion battery with less space and weight.



Fast charging
Battery module can be fully charged in shorter time.

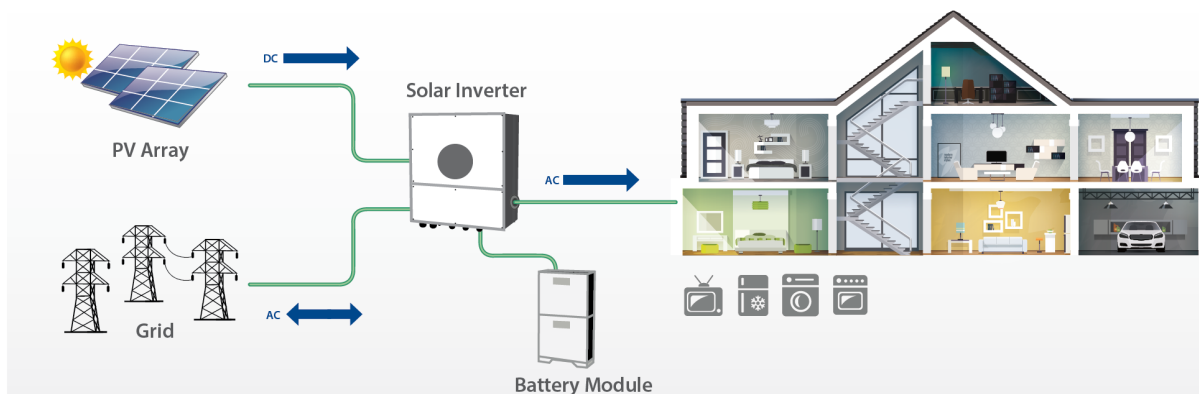


Modular design for easy scalable
Battery module can be easily stacked and added for energy expansion.



95% DOD High performance
Use 95% of battery capacity

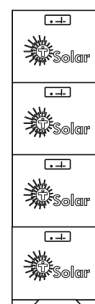
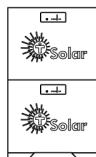
System Diagram



Technical Specification



TLi 52100 x

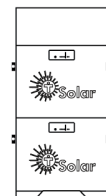


Battery Module	TLi 52100-x1	TLi 52100-x2	TLi 52100-x3	TLi 52100-x4
Number of Module	1	2	3	4
Usable Energy	5.12 Kwh	10.24 Kwh	15.36 Kwh	20.48 Kwh
Rated Discharging Current	150 A	150 A	150 A	150 A
Peak Discharging Current	192 A, 1 min	192 A, 1 min	192 A, 1 min	192 A, 1 min
Nominal Voltage	48 V	48 V	48 V	48 V
Operating Voltage	38 - 56VDC	38 - 56VDC	38 - 56VDC	38 - 56VDC
Charging Voltage	56 V	56 V	56 V	56 V
Charging Current	100A Max, 30A Default	100A Max, 30A Default	100A Max, 30A Default	100A Max, 30A Default
Dimension, D x W x H (mm) without feet	184 x 540 x 420	184 x 540 x 840	184 x 540 x 1260	184 x 540 x 1680
Net Weight (kg)	48	96	144	192

(Compatible with 48V Inverters)

TLi 52200

Battery Module	TLi 52200	(Compatible with 48V Inverters)
Number of Module	2	
PDU Module	1	
Usable Energy	10.24 Kwh	
Rated Discharging Current	300 A	
Peak Discharging Current	384 A, 1 min	
Nominal Voltage	48 V	
Operating Voltage	38-56VDC	
Dimension, D x W x H (mm)	184 x 540 x 1060	
Net Weight (kg)	98	



Compatible With All Tesla & Voltonic Inverter Models With & Without BMS

General Specification		
Operation Temperature	Charge	0°C~50 °C
	Discharge	0°C~50 °C
Storage Temperature (At 50% SOC and specified temp, recoverable capacity in % vs time / 50%)	< 18 months:	-20°C~25 °C
	< 3 months:	25°C~45 °C
	< 1 months:	45°C~60 °C
	20°C ± 5 °C is the recommended storage temperature	
IP Protection	IP20	
Communication	RS485 port (RJ45)	
Certifications	UN38.3, IEC 62619	