

YOUR  
SMART  
ENERGY



# BATTERY SMILE-BAT-10.3P

RESIDENTIAL SERIES

CAPACITY ►

10.3 kWh modular



Modular

Plug & play

Safe

Long lifespan

# BATTERY SMILE-BAT-10.3P



Model	SMILE-BAT-10.3P
<b>Physical</b>	
Battery Type	LFP (LiFePO4)
Cell Manufacturer	<b>LISHEN</b>
System Weight	95 kg
Dimension (W x D x H)	610 x 236 x 727 mm
IP Protection	IP65
Warranty	5 Year Product Warranty, 10 Year Performance Warranty
<b>Electrical</b>	
Energy Capacity	10.3 kWh
Usable Capacity	9.3 kWh
Depth of Discharge (DoD)	90%
Nominal Voltage	51.2 V
Operating Voltage Range	48 ~ 57.6 V
Internal Resistance	≤ 30 mΩ
Cycle Life	8000
<b>Operation</b>	
Max. Charging/Discharging Current	100 A (0.5C)
Max. Charging/Discharging Power	5120 W
Max. Short-circuit Current	200 A
Operating Temperature Range	-10 °C ~ 50 °C*
Humidity	15% ~ 85%
<b>BMS</b>	
Modules Connection	1 ~ 6 in parallel
BS Model	SMILE-BAT-10.3P / SMILE-BAT-10.3Px2 / SMILE-BAT-10.3Px3 / SMILE-BAT-10.3Px4 / SMILE-BAT-10.3Px5 / SMILE-BAT-10.3Px6
Capacity	10.3 / 20.7 / 31.0 / 41.4 / 51.7 / 62.1 kWh
Usable Capacity	9.3 / 18.6 / 27.9 / 37.2 / 46.5 / 55.8 kWh
Monitoring Parameters	System voltage, current, cell voltage, cell temperature, PCBA temperature
Communication	CAN and RS-485 compatible
<b>Certification</b>	
Transportation	UN38.3
Safety	IEC 62619 (Cell), IEC 62619 (Pack)

\* When the temperature is below 0 °C or above 40 °C, the performance will be limited.



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