



# BATTERY SMILE-BAT-10.1P



Model	SMILE-BAT-10.1P
<b>Physical</b>	
Battery Type	LFP (LiFePO4)
Cell Manufacturer	 EVE ENERGY VERY ENDURE
System Weight	95 kg
Dimension (W x D x H)	610 x 236 x 693 mm
IP Protection	IP65 (Outdoor)
Warranty	5 Year Product Warranty, 10 Year Performance Warranty
<b>Electrical</b>	
Energy Capacity	10.1 kWh
Usable Capacity	9.1 kWh
Depth of Discharge (DoD)	90%
Nominal Voltage	48 V
Operating Voltage Range	45 ~ 54 V
Internal Resistance	≤ 15 mΩ
Cycle Life	8000*
<b>Operation</b>	
Max. Dis/Charging Current	100 A
Short Circuit current	320 A / 4.5 ms
Operating Temperature Range	-10 °C ~ 50 °C**
Relative Humidity	0 ~ 95%
<b>BMS</b>	
Modules Connection	1 ~ 6 in parallel
Capacity	10.1 / 20.2 / 30.3 / 40.4 / 50.5 / 60.6 kWh
Usable Capacity	9.1 / 18.2 / 27.3 / 36.4 / 45.5 / 54.6 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)

\* Under specific test conditions

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



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