



# BATTERY SMILE-BAT-13.3P



<b>Model</b>		<b>Smile-BAT-13.3P</b>	
<b>Physical</b>			
<b>Battery Type</b>	LFP (LiFePO4)		
<b>Cell Manufacturer</b>	<b>EVE</b>		
<b>System Weight</b>	120 kg (per unit)		
<b>Dimension (W x D x H)</b>	610 x 236 x 812 mm (per unit)		
<b>IP Protection</b>	IP65		
<b>Warranty</b>	5 Year Product Warranty, 10 Year Performance Warranty		
<b>Electrical</b>			
<b>Energy Capacity</b>	13.34 kWh	<b>Operating Voltage Range</b>	45 ~ 54 V
<b>Usable Capacity</b>	13.34 kWh	<b>Internal Resistance</b>	≤ 20 mΩ
<b>Depth of Discharge (DoD)</b>	100%	<b>Cycle Life</b>	8000
<b>Nominal Voltage</b>	48 V	<b>Rated Charging/Discharging Power</b>	5000 W (per unit)
<b>Operation</b>			
<b>Max. Charging/Discharging Current</b>	100A (0.35C) per unit of battery		
<b>Max. Charging/Discharging Power</b>	5000 W (per unit)		
<b>Operating Temperature Range</b>	-10°C ~ 50°C*		
<b>Humidity</b>	15% ~ 85%		
<b>Short Circuit Current</b>	200A / unit		
<b>Multiple Battery**</b>			
<b>Modules Connection</b>	1~6 in parallel (with expansion pack)		
<b>BS Model</b>	SMILE-BAT-13.3P / SMILE-BAT-13.3PX2 / SMILE-BAT-13.3PX3 / SMILE-BAT-13.3PX4 / SMILE-BAT-13.3PX5 / SMILE-BAT-13.3PX6		
<b>Usable Capacity</b>	13.34 kWh / 26.68kWh / 40.02kWh / 53.36kWh / 66.70kWh / 80.04kWh		
<b>Maximum current</b>	100 A / 200 A / 300 A / 400 A / 500 A / 600 A		
<b>BMS</b>			
<b>Power consumption</b>	<1 W (Work), <10 mW (Sleep)		
<b>Monitoring Parameters</b>	System voltage, current, cell voltage, cell temperature, PCBA temperature		
<b>Communication</b>	CAN and RS-485 compatible		
<b>Certification</b>			
<b>Transportation</b>	UN38.3		
<b>Safety</b>	IEC 62619 (Cell), IEC 62619 (Pack)		

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

\*\* For multiple battery connection, the only difference will be the energy capacity and Maximum current value.  
All other parameter are the same.



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