

Preliminary Datasheet

YOUR
SMART
ENERGY



SMILE-M-BAT

CAPACITY

5 ~ 30 kWh with
5 kWh Battery Module



Module Model	SMILE-M-BAT-5P	SMILE-M-BAT-5P II	SMILE-M-BAT-5P III	SMILE-M-BAT-5P IV	SMILE-M-BAT-5P V	SMILE-M-BAT-5P VI
Battery Technical Specifications						
Battery Type	LFP (LiFePO4)					
Battery Module	5 kWh, 50 kg					
Modules Connection	1	2	3	4	5	6
Energy Capacity	5 kWh	10 kWh	15 kWh	20 kWh	25 kWh	30 kWh
Usable Capacity	5 kWh	10 kWh	15 kWh	20 kWh	25 kWh	30 kWh
Nominal Voltage	51.2 V					
Operating Voltage Range	48 ~ 57.6 V					
Max. Charging / Discharging Current*	100 / 100 A	100 / 100 A	100 / 100 A	100 / 100 A	100 / 100 A	100 / 100 A
General data						
Environmental Category	Outdoor					
Operating Temperature Range	0℃ ~ 50℃ (Charge) ; -10℃ ~ 50℃ (Discharge) ;					
Full load operating temperature	0℃ ~ 45℃					
Relative Humidity	0 ~ 100% (No Condensation)					
Installation Method	Base Installation / Wall Mounted (optional)					
Dimension (W x D x H)	620 * 260 * 390 mm	620 * 260 * 780 mm	620 * 260 * 1170 mm	620 * 260 * 1560 mm	620 * 260 * 1950 mm	620 * 260 * 2340 mm
Weight	50 kg	100 kg	150 kg	200 kg	250 kg	300 kg
Ingress Protection	IP65					
Max. Operating Altitude	2000 m					
Transportation	UN38.3					
Safety	IEC 62619, IEC 62040, IEC 61000-6-1/-3					
Warranty	10 Years Warranty					
* Max. charge / discharge current derating may occur with changes in temperature and SOC, and will be limited by the ability of the inverter, which is 100A						