

Module Model	SMILE-M5-S-INV	SMILE-M3.6-S-INV
System Specifications		
Nominal Output Power	5000 W	3600 W
Capacity Range	5 ~ 25 kWh	5 ~ 25 kWh
Battery Chemistry	LFP (LiFePO4)	LFP (LiFePO4)
Warranty	10 Years Warranty	10 Years Warranty
Inverter Technical Specifications		
PV String Input Data		
Max. PV power	10000 W	7360 W
Max. PV input voltage	550 V	550 V
Min. PV input voltage	70 V	70 V
Rated Voltage	360 V	360 V
Start-up Voltage	70 V	70 V
MPPT Voltage Range	100 ~ 550 V	10 ~ 550 V
Max. Input Current per MPPT	16 A / 16 A	16 A / 16 A
Max. Short Circuit Current per MPPT	25 A / 25 A	25 A / 25 A
MPPT Number / Max. Input Strings Number per MPPT	2 / 1	2 / 1
Battery		
Battery Voltage Range	40 ~ 60 V	40 ~ 60 V
Max. Charge / Discharge power	5000 / 5000 W	3600 / 3600 W
Max. Charge / Discharge current	100 / 100 A	100 / 100 A
AC Inuput & Output Data (Grid side)		
Rated Output Power	5000 VA	3600 VA
Rated Output Current	21.7 A	16 A
Max. Input Power	7500 W	5520 W
Max. Input Current	32.6 A	24 A
Nominal AC voltage	230 V	230 V
Grid Voltage Range	195.5 ~ 253 V	195.5 ~ 253 V
Rated Frequency	50 / 60 Hz	50 / 60 Hz
Back-up Output (On-Grid & Off Grid)		
Rated Output Power (On-Grid)	7500 VA	5520 VA
Rated Output Current (On-Grid)	32.6 A	24 A
Rated Output Power (Off-Grid)	5000 VA	3600 VA
Rated Output Current (Off-Grid)	21.7 A	16 A
Overload Capacity	150 % @ 10 S; 200 % @ 2 S	150 % @ 10 S; 200 % @ 2 S
Switch Time	10 ms	10 ms
Rated Output Voltage	230 V	230 V
Rated Frequency	50 / 60 Hz	50 / 60 Hz
Efficiency		
Max. Efficiency, η_{max}	97.0%	97.0%
General data		
Dimensions (W*H*D)	620 * 260.3 * 423 mm	620 * 260.3 * 423 mm
Weight	21.3 kg	21.3 kg
Environmental Category	Outdoor	Outdoor
Operation Temperature Range	-25°C ~ 60°C	-25°C ~ 60°C
Relative Humidity	0 ~ 100% (No Condensation)	0 ~ 100% (No Condensation)
Ingress Protection	IP65	IP65
Noise Emission	≤35 dB	≤35 dB
Max. Operating Altitude	2000 m	2000 m
Protection Class	I	I
Overvoltage Category	DC II / AC III	DC II / AC III
Topology	Transformerless	Transformerless
Anti-Islanding Method	RoCoF	RoCoF
Power Factor	0.8 leading - 0.8 lagging	0.8 leading - 0.8 lagging
Country of Manufacture	China	China
Certifications & Standards		
EMC	IEC 61000-6-1/3, IEC 61000-3-2/3	IEC 61000-6-1/3, IEC 61000-3-2/3
Safety	IEC 62109-1/-2	IEC 62109-1/-2
Grid Regulation	AS4777.2	AS4777.2