



# SMILE-G3-S5



Model	SMILE-G3-S5
<b>System Specification</b>	
Nominal Output Power	5 kW
Capacity Range	10.1 ~ 60.5 kWh (95% DoD)
Battery Chemistry	LFP (LiFePO4)
IP Protection	IP65 (Outdoor)
System Dimension (W x D x H)	610 x 250 x 1161 mm(with Bracket)
System Weight	109.5 kg
Warranty	5 Year Product Warranty, 10 Year Battery Performance Warranty
<b>Inverter Technical Specification</b>	
Model	SMILE-G3-S5-INV
Coupling	Hybrid
Max. PV Input Power	10000 W
Max. PV Input Current	15 A / 15 A
Max. PV Input Voltage	580 V
MPPT Number / Max. Input Strings Number per MPPT	2 / 1
MPPT Voltage Range	100 ~ 550 V
Max. PV Short-circuit Current	18.75 A / 18.75 A
Max. Charging/Discharging Current	60 A
Max. Charging/Discharging Power	5000 W
Rated Frequency	50 / 60 Hz
Rated Voltage	230 V
Max. AC input Power	8000 W
Rated Output Apparent Power (on-grid)	8000 VA
Rated Output Apparent Power (off-grid)	5000 VA
Rated Output Current (on-grid)	35 A
Rated Output Current (off-grid)	21.7 A
Max. Inverter Efficiency	97.30%
Backup	UPS
Communication	Ethernet / WiFi
Humidity	0 ~ 90% (Non-Condensing)
Dimension (W x D x H)	610 x 212 x 366 mm
Weight	19.5 kg
Safety	IEC 62109, IEC 62040
EMC	EN61000-6-1/-2/-3/-4
Grid Regulation	AS4777.2, NRS 097, VDE 0126, VDE 4105, EN 50549
<b>Battery Technical Specification</b>	
Module Mode	SMILE-G3-BAT-10.1P
Capacity	10.1 kWh
Usable Capacity	9.6 kWh
Depth of Discharge (DoD)	95%
Nominal Voltage	96 V
Battery Voltage Range	91.5 V ~ 106.5 V
Max. Charging/Discharging Current	60 A
Operating Temperature Range	-10 °C ~ 50 °C*
Cycle Life	8000**
Battery Modules Connectable	1 ~ 6 in parallel

\* When the ambient temperature is too low or too high, the performance of battery may be limited.  
 \*\* Under specific test conditions.



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