SMILE-G3

Alphaess

Model	SMILE-G3-S3.6-INV	SMILE-G3-S5-INV	SMILE-G3-B5-INV
System Specification			
Nominal Output Power	3680 W	5000 W	5000 W
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	10 Year Product Warranty, 10 Year Battery Performance Warranty		
Inverter Technical Specification			
Model	SMILE-G3-S3.6-INV	SMILE-G3-S5-INV	SMILE-G3-B5-INV
Coupling	Hybrid	Hybrid	AC
Max. PV Input Power	7360 W	10000 W	N/A
Max. PV Input Current	15 A / 15 A		N/A
Max. PV Input Voltage	580 V		N/A
MPPT Number / Max. Input Strings Number per MPPT	2/1		N/A
Input start-up voltage	90 V		N/A
MPPT Voltage Range	100 ~ 550 V		N/A
Max. PV Short-Circuit Current	24 A / 24 A		N/A
Max. Charging/Discharging Current	60 A		
Max. Charging/Discharging Power	3680 W	5000 W	5000 W
Rated Frequency	50 / 60 Hz		
Rated Voltage	230 V		
Rated Output Apparent Power (Grid Port)	3680 VA	5000 VA	5000 VA
Rated Output Apparent Power (Backup Port)	3680 VA	5000 VA	5000 VA
Max. AC input Power (Grid Port)	7360 W	10000 W	10000 W
Rated Output Current (Grid Port)	16 A	21.7 A	21.7 A
Max. AC Output Current (Grid Port)	16 A	21.7 A	21.7 A
Rated Output Current (Backup Port)	16 A	21.7 A	21.7 A
Max. AC Output Current (Backup Port)	16 A	21.7 A	21.7 A
Max. Inverter Efficiency	97.3%		
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		
Operating temperature	-25-60℃		
IP rating	IP 65		
Active anti-Islanding method	RoCoF		
Country of manufacture	China		
Battery Technical Specification			
Module Mode	SMILE-G3-BAT-10.1P		
Module 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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