

SMILE-S5



Model		SMILE-S5
System Specification		
Nominal Output Power	5000 W	
Capacity Range	5.04 ~ 30.24kWh (95% DoD)	
Battery Chemistry	LFP (LiFePO4)	
IP Protection	IP65 (Outdoor)	
System Dimension (W x D x H)	640 x 250 x 745 mm	
System Weight	75 kg	
Warranty	5 Year Product Warranty, 10 Year Performance Warranty	
Inverter Technical Specification		
Model	SMILE-S5-INV	
Coupling	Hybrid	
Max. PV Input Power (S5 Only)	8000 W	
Max. PV Input Current (S5 Only)	15 A / 15 A	
Nominal PV Input Voltage (S5 Only)	330 V	
MPPT Number/Max. Input Strings Number per MPPT (S5 Only)	2 / 1	
MPPT Voltage Range (S5 Only)	90 ~ 520 V	
Max. PV Short-Circuit Current (S5 Only)	22.5 / 22.5 A	
Max. Charging/Discharging Current	100 A	
Max. Charging/Discharging Power	5000 W	
Rated Frequency	50 / 60 Hz	
Rated Voltage	230 V	
Max. AC Output Current	21.7 A	
Max. AC Input Current	33 A	
Backup	UPS	
Communication	Ethernet / WiFi	
Humidity	0~95% (Non-Condensing)	
Dimension (W x D x H)	640 x 250 x 350 mm	
Weight	21 kg	
Safety	IEC 62109, IEC 62477	
EMC	EN61000-6-1/-2/-3/-4	
Grid Regulation	AS4777.2	
Battery Technical Specification		
Module Mode	SMILE-BAT-5P	
Module Capacity	5.04 kWh	
Usable Capacity	4.79 kWh	
Depth of Discharge (DoD)	95%	
Nominal Voltage	48 V	
Max. Charging/Discharging Current	52.5 A	
Operating Temperature Range	-10°C ~ 50°C*	
Cycle Life	6000	
External Battery Expansion	1 ~ 5 in parallel	

*Max. charge/discharge current derating will occur related to temperature and SOC.



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