

● YOUR
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RHI-5K-48ES-5G

RESIDENTIAL SERIES

CAPACITY ▶

10.1 kWh modular
expandable to 60.5 kWh



Modular Design

Safety

RHI-5K-48ES-5G



Model		RHI-5K-48ES-5G	
System Specification			
Nominal Output Power	5000 W		
Capacity Range	10.1~ 60.5 kWh (90% DoD)		
Battery Chemistry	LFP (LiFePO4)		
IP Protection	IP65 (Outdoor)		
Warranty	5 Year Product Warranty, 10 Year Performance Warranty		
Inverter Technical Specification			
Max. PV Input Power	8000 W	Rated Voltage	220 / 230 V
Max. PV Input Current	2 x 11 A	Phase	Single phase
Max. PV Short-circuit Current	2 x 17.2 A	Backup	UPS
Nominal PV Input Voltage	600 V	Communication	Ethernet / WiFi
MPPT Number/ Max. input strings number	2/2	Start Up Voltage	120 V
MPPT Voltage Range	90 ~ 520 V	Dimension (W x D x H)	333 x 505 x 249 mm
Max. Charging/ Discharging Current	100 A	Weight	17 kg
Rated Voltage	5000 W	Safety	IEC 62109, IEC62040
Rated Frequency	50 / 60 Hz	EMC	EN61000-6-2/-3
Grid Regulation	EN50438, G98, G99, AS4777.2, CEI 0-21		
Battery Technical Specification			
Module Model	SMILE-BAT-10.1P		
Module Capacity	10.1 kWh		
Usable Capacity	9.1 kWh		
Depth of Discharge (DoD)	90%		
Max. Charging/Discharging Voltage	48 V		
Max. Charging/Discharging Current	100 A		
Operating Temperature Range	-10°C ~ + 50°C *		
Cycle Life	8000**		
Battery Modules Connection	1 ~ 6 in parallel		

* When the temperature is below 0 °C or above 40 °C, the performance will be limited.
 ** Under specific test conditions



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