

• YOUR
• SMART
• ENERGY



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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