



RG-SOLAR-IVC-HF5K-P

Solar Off-Grid Inverter



RANGER



Efficient

Advanced MPPT with up to 99.9% efficiency
Multiple charge and discharge modes are available



All-in-one

Support for many types of batteries
Supports Li-ion battery BMS communication



Safety

360 degrees of security from hardware to software
Multiple safety approvals available



Intelligent

Exclusive Li-ion battery BMS dual activation
Support for remote monitoring of operating

*All image and specification is subject to change without prior notice.



Technical Data	RG-SOLAR-IVC-HF5K-P	Can Be set
Rated Output Power	5,500W	
Max.Peak Power	11,000VA	
Rated Output Voltage	230Vac (single phase/three phase-paralleled)	✓
Load Capacity of Motors	4HP	
Rated AC Frequency	50Hz/60Hz	
Waveform	Pure Sine Wave	
Switch Time	10ms(typical)	
Parallel Capacity	1-6	
Battery Type	Lead-acid / Li-ion / User defined	✓
Rated Battery Voltage	48Vdc	
Voltage Range	40 ~ 60Vdc	✓
Max.MPPT Charging Current	100A	✓
Max.Mains/Generator Charging Current	60A	✓
Max.Hybrid Charging Current	100A	✓
Num. of MPPT Trackers	1	
Max.PV Array Power	6,000W	

Max.Input Current	22A	
Max. Voltage of Open Circuit	500Vdc	
MPPT Voltage Range	120-450Vdc	
Input Voltage Range	UPS mode: 170 ~ 280Vac; APL mode: 90 ~ 280Vac	✓
Frequency Range	50/60Hz	
Bypass Overload Current	40A	
MPPT Tracking Efficiency	99.9%	
Max. Battery Inverter Efficiency	92%	
Dimension	426*322*124mm (1.40*1.06*0.41ft)	
Weight	10.5kg (23.15lb)	
Protection Degree	IP20, only indoor	
Operating Temperature Range	-10°C~55°C (14°F~131°F)	
Noise	≤60dB	
Cooling Method	Internal Fan	
Embedded Interfaces	RS485 / USB / Dry contact	✓
External Modules (Optional)	Wi-Fi / GPRS	✓
Safety	CE(IEC 62109-1)/ CETL(UL 1741 C22.2 NO.107.1) /FCC/SAA	
EMC	EN61000	
RoHS	Yes	

Ordering Info

Model

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