



# RG-SOLAR-IVC-HF3K

## 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-HF3K	Can Be set
Rated Output Power	3,000W	
Max.Peak Power	6,000VA	
Rated Output Voltage	230Vac	✓
Load Capacity of Motors	2HP	
Rated AC Frequency	50Hz/60Hz	✓
Waveform	Pure Sine Wave	
Switch Time	10ms(typical)	
Battery Type	Lead-acid / Li-ion / User defined	✓
Rated Battery Voltage	24Vdc	
Voltage Range	20 ~ 33Vdc	✓
Max.MPPT Charging Current	60A	✓
Max.Mains/Generator Charging Current	80A	✓
Max.Hybrid Charging Current	140A	✓
Num. of MPPT Trackers	1	
Max.PV Array Power	1,600W	
Max.Input Current	40A	

Max. Voltage of Open Circuit	108Vdc	
MPPT Voltage Range	30~90Vdc	
Input Voltage Range	UPS mode: 170 ~ 280Vac; APL mode: 90 ~ 280Vac	✓
Frequency Range	50/60Hz	
Bypass Overload Current	30A	
MPPT Tracking Efficiency	99.9%	
Max. Battery Inverter Efficiency	92%	
Dimension	378*280*103mm (1.24*0.92*0.34ft)	
Weight	6.8kg (14.99lb)	
Protection Degree	IP20, only indoor	
Operating Temperature Range	-10°C~55°C (14°F~131°F)	
Noise	≤60dB	
Cooling Method	Forced air cooling with adjustable air speed	
Embedded Interfaces	RS485 / USB / Dry contact	✓
External Modules (Optional)	Wi-Fi / GPRS	✓
Safety	CE(IEC 62109-1)	
EMC	EN61000, C2	
RoHS	Yes	

### Ordering Info

### Model

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