

ISolar SMK Off-Grid Inverter



- Zero transfer time to protect mission-critical loads such as servers and ATM.
- Detachable LCD control module with multiple communications
- Built-in Bluetooth for mobile monitoring (Android App is available)
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Configurable AC/PV output usage timer and prioritization
- Parallel operation up to 9 units

Off-Grid Inverter

ISolar SMK Off-Grid Inverter Selection Guide

MODEL	ISolar SMK 3K		ISolar SMK 5K	
Rated Power	3000VA/3000W		5000VA/5000W	
Parallel Capability	Up to 9 units		Up to 9 units	
INPUT				
Voltage	230 VAC			
Voltage Range	110-280 VAC			
Frequency Range	50 Hz/60 Hz (Auto sensing)			
OUTPUT				
AC Voltage Regulation	230 VAC ± 5%			
Output THDv	<3% for linear load, <8% for non-linear load			
Surge Power	6000VA for 5 sec		10000VA for 5 sec	
Efficiency (Peak)	93 % at Line Mode, 90% at Battery Mode			
Transfer Time	0 ms			
Waveform	Pure sine wave			
BATTERY				
Battery Voltage	24 VDC		48 VDC	
Floating Charge Voltage	27 VDC		54 VDC	
Overcharge Protection	34 VDC		66 VDC	
SOLAR CHARGER & AC CHARGER				
Solar Charger Type	MPPT		MPPT	
Maximum PV Array Open Circuit Voltage	145 VDC			
Maximum PV Array Power	1500 W		4000 W	
MPP Range @ Operating Voltage	30 ~ 115 VDC		60~115VDC	
Maximum Solar Charge Current	60 A		80 A	
Maximum AC Charge Current	60 A		60 A	
Maximum Charge Current	120 A		140 A	
PHYSICAL				
Dimension, D x W x H (mm)	140 x 303 x 525			
Net Weight (kgs)	13.0		13.5	
Communication Interface	USB/RS232/RS485/Bluetooth/Dry-contact			
ENVIRONMENT				
Humidity	5% to 95% Relative Humidity (Non-condensing)			
Operating Temperature	0°C to 55°C			
Storage Temperature	-15°C to 60°C			

Product specifications are subject to change without further notice.