

OFFGRID ZERO SERIES



Online Solar UPS

3KL / 5KL



Data Center



Telecom



Networking



Computer

FSP Solar PowerManager Off-Gird

Offgrid 3K&5K are designed with zero transfer time perfect for critical device such as servers and ATM. It's equipped with powerful 140A super charger, 80A MPPT solar charger and 60A AC charger. Detachable LCD control module allows users to remotely monitor this inverter. It's also able to expand capacity to 45KW with 9 units in parallel operation.

GENERAL FEATURES

- Zero (0ms) transfer time to protect mission-critical loads such as servers and ATMs
- Removable 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) for 5K model
- Configurable AC/PV output usage timer and prioritization
- Pure sine wave solar inverter
- Selectable high power charging current
- Wide DC input range
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- Optional parallel operation up to 9 units

TECHNICAL SPECIFICATIONS

MODEL	OffGrid Zero 3K	OffGrid Zero 5K
RATED POWER	3000VA/3000W	5000VA/5000W
PARALLEL CAPABILITY	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 \pm 5%	
Output THDv	\leq 3% for Linear load, \leq 8% for non-linear load	
Surger 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	
EFFICIENCY		
Line Mode	93%	
ECO Mode	99.5%	
Battery Mode	91%	
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	
Maximum PV Array Open Circuit Voltage	145 VDC	
Maximum PV Array Power	1500 W	4000 W
MPPT Range @ Operating Voltage	30~115 VDC	60~115 VDC
Maximum Solar Charge Current	60 A	80 A
Maximum AC Charge Current	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 (only for 5K)/Bluetooth/Dry-contact	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	0°C- 55°C	
Storage Temperature	-15°C- 60°C	

* Product specifications are subject to change without further notice