



Fine Power™

A Product of LDS Technologies Inc. USA

FP-OGI series products are on the basis of Green energy use and equipment electricity need for remote area, combining the electricity characteristics of household appliances, communication station equipment and computer peripheral equipment. They have the function of energy conservation and environment protection. They adopt MCU control technique, having various kinds of function such as multi-setting mode, MPPT control, voltage stabilization on line, short-circuit protection, inverter frequency adaptive, output overload, battery charging management, monitoring ect. FP-OGI series products are the idea power with high cost performance equipped with high stability, high reliability, high practical applicability.

Solar Integrated Pure Sine Wave Off-Grid Inverter

FP-OGI
500VA~3000VA



Features

1. Multi-setting
 - PV priority mode or AC priority mode
 - Choose the charging current based on the configured capacity of the battery
2. High reliability: Double MPU digital control
 - Independent MPPT (Maximum Power Point Tracking) control microprocessor system
 - Independent inverter microprocessor control system
3. Isolated and pure sine wave technology
4. LCD+LED display mode
5. Wide input range
6. high-speed synchronous conversion
7. Friendly alarm system
8. Unattended and intelligent monitoring (RS232 or USB, SNMP)
9. Online protection function
10. Intelligent No-load auto shutdown technology (optional)
11. Frequency adaptive

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Specifications

Model	FP-OGI500	FP-OGI1000	FP-OGI1500	FP-OGI2000	FP-OGI3000
Capacity	500VA	1000VA	1500VA	2000VA	3000VA
Power	400W	800W	1200W	1600W	2400W
Battery voltage	12V/24Vdc	24Vdc	48Vdc		
Working mode	PV(Photovoltaic priority) / AC (AC priority)				
PV					
Input voltage range	12Vdc--23Vdc	24Vdc-- 45Vdc	48 Vdc -- 90Vdc		
	24Vdc-- 45Vdc				
Max. charge current	10A/20A/30A/40A (option offered)				
Conversion efficiency	≥ 90 %				
Display					
Panel indicator light	LCD + LED display				
Mains status (Optional)					
Input voltage range	165Vac– 275Vac / 150Vac–275Vac (Customized)				
Input Frequency range	45–65 Hz (Automatically transfer to inverter power when overfrequency)				
Output voltage range	220Vac ± 10%				
Input PF. (AC/DC)	98%				
Efficiency	Mains mode ≥ 96%				
Mains overload	110% 60s transfer to bypass power; 120% transfer to bypass power after 30s;automatically recover when decrease load				
Short circuit					
Inverter output	Input fuse				
Inverter output voltage	220Vac ± 5%				
Output frequency	50 Hz / 60Hz ± 1% frequency adaptive				
Output power factor	≥0.8				
Wave form distortion	Linear load ≤ 5%				
Battery backup	≥10minutes (PC load)				
PV–AC transfer time	5Ms typical value Max.8 Ms				
Efficiency	Inverter mode ≥ 80%				
Inverter overload	110% shutdown at 60s, 120% shutdown at 5s				
No–load off (Optional)	Load< 5% The system automatically shut down at 1MIN, transfer to bypass power				
Short circuit	Systems automatically shut down				
Alarm					
Mains abnormal	1/4S; automatic sound elimination after 40s				
Low battery	Once / 0.2S				
Overload	Once / 1S				
Communication interface(Optional)	RS232 / USB / SNMP (Setup available for regular start/shutoff)				
Others					
Output sockets	Universal sockets 3PCS / customized				
Surge protection	Optional				
EMC	EN62040–2:2006;EA61000–3–2:2006; EA61000–3–3:2008				
IP class	IP20				
Ambient temperature	0°C ~ 40°C				
Ambient humidity	10% ~ 90%(Non Condensed)				
Noise	≤ 50dB				
DimensionD*W*H (MM)	420 × 145 × 215			475 × 200 × 337	
Packing dimension (MM)	515 × 325 × 245			590 × 320 × 465	
Weight (kg)					

◆ All specifications subject to change without notice.
◆ Custom–made specifications are acceptable.