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The FP power system is an inverter but also contains a powerful smart charger. It is an extremely good choice for utility back up power, providing a pure sine wave power to all equipments. However, it also can be used as a UPS for computers.

An inverter, charger and switching box can be replaced with a single FP-series unit.

Powerful Inverter with Smart Charger

FP-InverCharge

600W~3500W



Features

- Reliable, Durable and Economical Power for Grid and Mobile Applications
- Microprocessor based Inverter / Charger provides
- Ultra-clean pure sine wave output with less than 5% total harmonic distortion
- Supply energy to various loads such as resistive load, inductive load, motors and rectifier load.
- Control panel with large LCD
- Powerful 300% surge power
- Low sleep mode power consumption of less than 5W
- Phase & frequency synchronization auto-tracing for seamless transfer time
- Programmable big current, 3 stage battery charger
- Long backup time up to 10 hours (based on the battery bank and loads).
- Easy to install, easy to maintain, and built for years of reliable service



Specifications

Model	FP-0612	FP-1012	FP-1612	FP-2524	FP-3524
DC Input					
Nominal Input Voltage	12V			24V	
DC Input Voltage Range	10~14V		10~15V	20V~30V	
No battery (AC normal)	No		Working in AC mode		
AC Input					
Input voltage range	85~132V for 110V / 170V~254V for 220V (extendable:145V~254V)				
Nominal Input Frequency	50Hz / 60Hz (Auto detection)				
Generator	Yes				
Output					
Nominal output voltage	110V ± 6% / 220V ± 6%				
Nominal output Frequency	50Hz/60Hz ± 0.3Hz				
Output waveform	Pure sine wave				
Continue power	600W	1000W	1600W	2500W	3500W
Surge protection	1800W	3000W	4800W	7500W	10500W
Efficiency	>80%				
Power save mode	<15W load		<20W load		
Power consumption in Power save mode	4W		5W		
Transfer Time	10 ± 4ms		16 ± 4ms		
Power Factor	0.8 ~ 1.0				
THD	<5%				
Inductive Load	Yes				
Motor Load	Yes				
Rectifier Load	Yes				
Battery charger					
Adjustable Charge current	10~30A	10~40A	10~60A	10~70A	
Adjustable Charge voltage	No		13~15V	26V~30V	
Manner of charging	3 stage–Bulk,Boost,Float				
General					
Human machine interface	LED&Buzzer		LCD&LED&Buzzer		
Operating temperature	0°C~40°C				
Operating humidity	5%~95%RH				
Forced Air Cooling	Variable Speed fans				
Wall Mounting	YES				
Shipping Weight (kg)	13.00	16.00	20.00	22.00	23.00
Dimensions (DxWxH) mm	295x267x150		447x225x185	465x225x185	
Packing (DxWxH) mm	375x342x234		600x360x268	630x360x268	

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