

PD Inverter Charger/Solar Inverter Charger

Feature

- Pure sine wave output ;
- Low frequency toroidal transformer lower loss;
- LCD real-time display working status;
- Built-in PWM charge controller optional;
- AC charging function, maximum charge current up to 15A, AVR AC output;
- Auto select working modes: AC first, battery first and energy-saving mode;
- RS232 communication port optional.

Application Area

- Office and public facilities, household system, network transmission equipment, manufacturing, control system, solar energy system, oil field, drilling field operation, etc.
- Provide stable, reliable and safe solutions for families, islands, ships and other small photovoltaic power systems



System Application Diagram



Technical Parameters

Model: PD		35112	50112	10224	10212	15212/24	20224/48	30224/48
Rated Power		350W	500W	1000W	1000W	1500W	2000W	3000W
Battery Voltage		12VDC	12VDC	24VDC	12VDC	12/24VDC	24/48VDC	24/48VDC
Size(L*W*Hmm)		310*240*115			360*210*380			
Package Size(L*W*Hmm)		370*320*200			420*280*445			
N.W.(kg)		5	6	8	13	14	16	20
G.W.(kg)(Carton Packing)		6	7	9	14	15	17	21
Input	DC Input Voltage Range	10.5-15VDC (Single battery voltage)						
	AC Input Voltage Range	73VAC~138VAC/145VAC~275VAC			85VAC~138VAC/170VAC~275VAC			
	AC Input Frequency Range	45Hz~65Hz						
Output	Efficiency	≥85%						
	Output Voltage(Battery Mode)	110VAC±2% / 220VAC±2%						
	Output Frequency(Battery Mode)	50/60Hz±1%						
	Output Wave(Battery Mode)	Pure Sine Wave						
	AC Output Voltage Range	110VAC±10% / 220VAC±10%						
	AC Output Frequency Range	Tracking Automatically						
Inside Solar controller (Optional)	Charging Mode	PWM						
	Charging Current	10A/20A/30A			10A/20A/30A/40A/50A/60A			
	PV Input Voltage Range	12V System: 15V-44V; 24V System: 30V-44V; 48V System: 60V-88V						
	Max PV Input Voltage (At 25°C)	12V/24 System: 50V; 48V System: 100V						
	PV Array Maximum Power	12V System: 140W / 280W / 420W / 560W / 700W / 840W; 24V System: 280W / 560W / 840W / 1120W / 1400W / 1680W; 48V System: 560W / 1120W / 1680W / 2240W / 2800W / 3360W						
Protection	Battery low voltage alarm	10.5VDC (Single battery voltage)						
	Battery low voltage protection	10VDC (Single battery voltage)						
	Battery over voltage protection	17V±0.5V (Single battery voltage)						
	Battery over voltage alarm	15VDC-16VDC (Single battery voltage)						
	Over power protection	110% more than rated capacity						
	Temperature protection	≥85°C alarm , ≥90°C machine shut off						
Transfer Time		≤4ms						
Battery Type		According to Customer Requirements						
Display		LCD						
Thermal method		Cooling fan in intelligent control						
AC Charging current		Max 15A						
Working Mode		1. AC First (Mains first with AC charging) 2. Saving Energy Mode (Load power≤10% machine turns off , ≥11%-100% machine turns on) 3. Battery First (When charging: Battery voltage ≥13V, turn converting mode; When converting: Battery voltage ≤10.5V, turn mains mode.)						
Communication		RS232(Optional)						
Environment	Noise	≤55dB						
	Temperature	-10°C~40°C						
	Humidity	0%~95%(No condensation)						

Note : 1. Specifications are subject to change without notice

2. Special voltage power requirements, can be customized according to the actual situation of users.