

# LW Inverter Charger/Solar Inverter Charger

## Feature

- Pure sine wave output;
- Built-in PWM charge controller optional;
- AC charge current 0-30A adjustable; AVR output;
- Low frequency toroidal transformer increase efficiency;
- Dedicated DCP chip design; stable and high-speed operation;
- Added fault code query function, easy to monitor the operation in real time;
- Supports diesel or gasoline generator, adapt any tough electricity situation;
- RS232 or RS485 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: LW		10212/24	20212/24/48	30224/48	40224/48	50248	60248
Rated Power		1000W	2000W	3000W	4000W	5000W	6000W
Battery Voltage		12/24VDC	12/24/48VDC	24/48VDC	24/48VDC	48VDC	48VDC
Size(L*W*Hmm)		550*243*175			570*261*199		
Package Size(L*W*Hmm)		605*305*270			625*320*295		
N.W.(kg)		11	19	20.5	22.5	24	26
G.W.(kg)(Carton Packing)		12.5	20.5	22	24	26	28
Input	DC Input Voltage Range	10.5-15VDC ( Single battery voltage )					
	AC Input Voltage Range	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	MPPT or PWM					
	Charging current	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					
Working Mode		Battery First/AC First/Saving Energy Mode					
AC Charging current ( selectable )		0~30A					
Transfer Time		≤4ms					
Display		LCD					
Thermal method		Cooling fan in intelligent control					
Battery Type (Optional)	LEAD	Charge Voltage : 14V ; Float Voltage : 13.8V ( Single battery voltage , x2 for 24V; x4 for 48V )					
	OP-LE	Charge Voltage : 14.2V ; Float Voltage : 13.8V ( Single battery voltage , x2 for 24V; x4 for 48V )					
	LITHIUM	Charge Voltage : 13V ; Float Voltage : 12.6V ( Single battery voltage , x2 for 24V; x4 for 48V )					
		Remark:The charging parameters of other types battery can be user-defined					
Protection		Over-load / Over-discharge / Short circuit / High temprayure / Reverse polarity					
Communication		RS232/RS485 ( Optional )					
Environment	Noise	≤55dB					
	Temperature	-10°C~40°C					
	Humidity	0%~95% (No condensation)					

Note: 1. Specifications are subject to change without prior notice;  
2. Special voltage and power requirements can be customized according to the actual situation of users.