

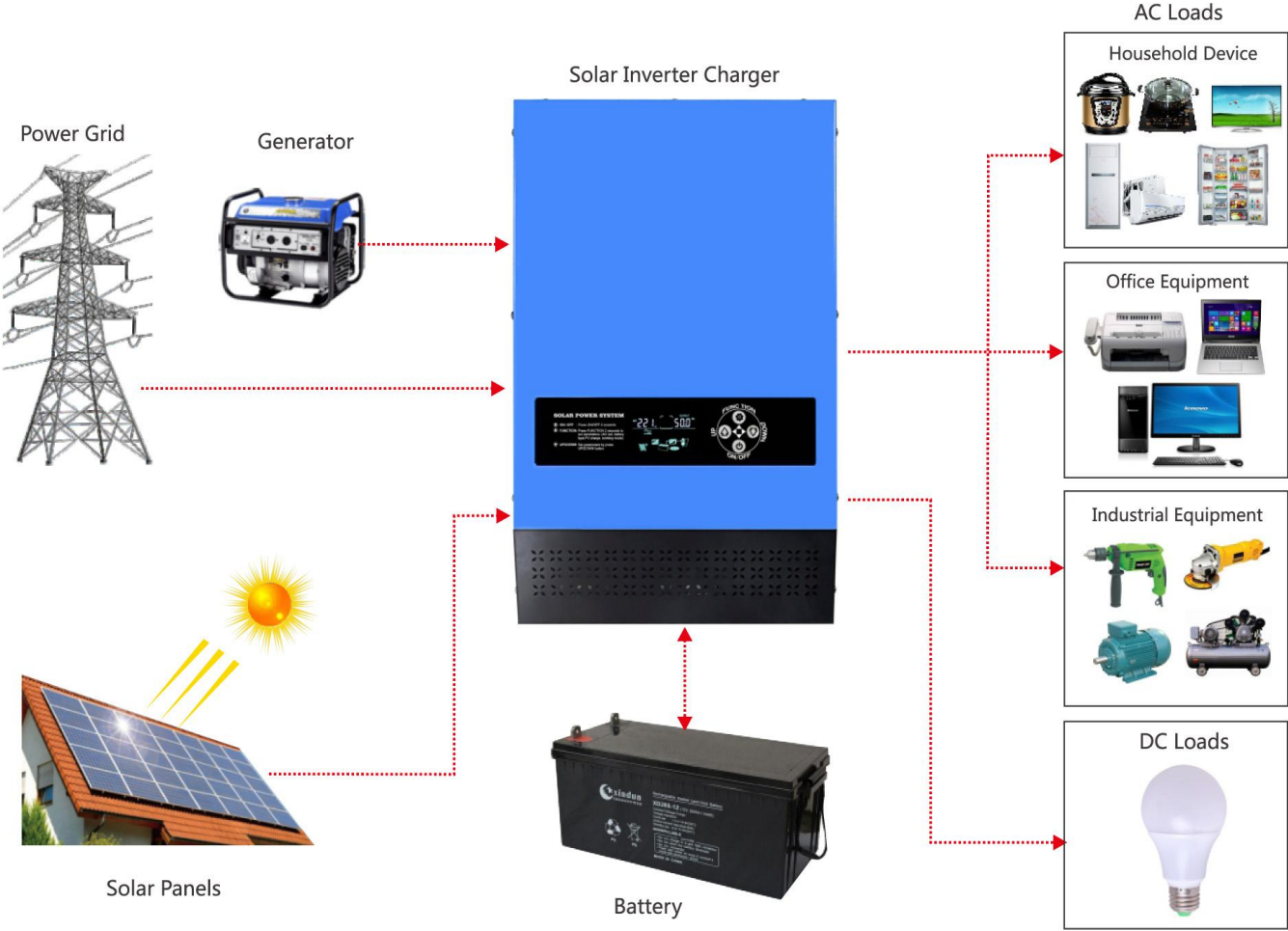
## ML Inverter Charger / Solar Inverter Charger (1W-6KW)

### Feature :

- ◆ Pure sine wave output;
- ◇ Low frequency toroidal transformer lower loss;
- ◆ Intelligent LCD integration display;
- ◇ Built-in PWM or MPPT controller optional;
- ◆ AC charge current 0~30A adjustable, three working modes selectable;
- ◇ Added fault code query function, easy to monitor the operation in real time;
- ◆ Supports diesel or gasoline generator; adapt any tough electricity situation;
- ◇ Combine industrial and home usage, wall-mounted design, convenient installation.



# System Application Diagram



## Specification

Model: ML		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)		490*300*130			510*320*130		
Package Size(L*W*Hmm)		565*395*225			585*415*225		
N.W.(kg)		11.5	17.5	19.5	21.5	23.5	25.5
G.W.(kg)(Carton Packing)		13	19	21	23	25	27
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					
	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					

Inside Solar controller (Optional)	Max PV Input Voltage (At25°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		W4ms
Display		LCD
Thermal method		Cooling fan in intelligent control
Battery Type	LEAD	Charge Voltage : 14V ; Float Voltage : 13.8V ( Single battery voltage , x2 for 24V; x4 for 48V )
(Optional)	OP-LE	Charge Voltage : 14.2V ; Float Voltage : 13.8V ( Single battery voltage , x2 for 24V; x4 for 48V)
	UTHIUM	Charge Voltage : 13V ; Float Voltage : 12.6V ( Single battery voltage , x2 for 24V; x4 for 48V )
<b>Remark:The charging parameters of other types battery can be user-defined</b>		
Protection		Over-load / Over-discharge / Short circuit / High temperayure / Reverse polarity
Communication		RS232/RS485 (Optional)
Environment	Noise	<55dB
	Temperature	-10°C~40°C
	Humidity	0%~95% (No condensation)
Warranty		3 years
<b>Note: All specifications are subject to charge without prior notice</b>		