



**Feature**

- Super wide input voltage range, strong ability to adapt to the environment
- Stable output voltage(pure sine wave output), can be applied to all electrical equipment
- LED or LCD display with plenty content
- CPU controlled
- Fast transfer time, high efficiency
- Intelligent battery management, prolonging the service life of the battery
- Low battery, overload short circuit, over temperature protections
- Switching function between UPS and Inverter
- The charging current is optional

**XL Series (Sine wave inverter)**

Model #	XL-600	XL-800	XL-1000	XL-1200 (12V/24V)	XL-600A	XL-800A	XL-1000A	XL-1200A (12V/24V)
Capacity	600VA/500W	800VA/640W	1000VA/800W	1200VA/1000W	600VA/500W	800VA/640W	1000VA/800W	1200VA/1000W
Power factor	0.8							
AVR	No				3 steps of AVR, CPU controlled			
<b>INPUT</b>								
Input voltage range	inverter mode: 80~290Vac ± 5Vac (Inverter mode) UPS mode: 175~270Vac ± 5Vac (UPS mode)				145~270Vac ± 5Vac			
<b>OUTPUT</b>								
Output voltage range	80~290Vac ± 5Vac, Same as AC (AC mode) 220Vac ± 5% (DC mode)				203~238 ± 5Vac			
	175~270Vac ± 5Vac, Same as AC (AC mode) 220Vac ± 5% (DC mode)							
Output frequency	50Hz ± 0.5Hz (DC mode)							
Waveform	Sine wave (DC Mode)							
Transfer time	Max. 10s							
<b>BATTERY</b>								
QTY & capacity of battery	DC 12V		DC 12V / 24V		DC 12V		DC 12V / 24V	
Charging current	15A	15A	20A	20A	15A	15A	20A	20A
<b>PROTECTION &amp; FUNCTION</b>								
PROTECTION	1. Battery low voltage protection 2. Overload protection 3. Short circuit protection							
FUNCTION	1. Auto re-starts when AC recovers 2. Silence setup 3. Automatic charging (offline charging) 4. Combined UPS mode and inverter mode							
<b>MANAGEMENT</b>								
USB	Optional (Note: Function of combined UPS and inverter mode is disabled if USB is required.)				Optional (Note: Function of optional charging current is disabled if USB is required.)			
<b>PHYSICAL</b>								
Unit dimension (mm)	290*255*120							
Color box dimension (mm)	340*130*205							
Master box dimension (mm)	355*325*435	355*325*225		355*325*435	355*325*225			
Pcs in one master carton	2	1	1	1	2	1	1	1
Gross weight (1pc, kg)	7.6	11.4	12.0	13.6	7.6	11.4	12.0	13.6
Net weight (1pc, kg)	7	10.8	11.4	13	7	10.8	11.4	13

Note:

1. "L" is long backup UPS, "S" is standard UPS;
2. Because the products are continuously improved, please contact the company or dealer to inquiry the latest specification.



**Product introduction**

EP series is sine wave low frequency inverter, which is specifically designed for home appliances. It is equipped with a big LCD screen so all information is displayed in detail, which makes it more convenient to use. Charging current of the inverter is adjustable from 5A to 45A and you can also select different charging voltage to charge different types of batteries so batteries are under great protection.



**Feature**

- Suitable for all electrical equipments
- Large LCD display for more detailed content
- CPU controlled; fast transfer time
- Complete protection function, high reliability
- Can provide high current charge
- Can match different types of batteries
- Intelligent battery management, prolonging the service life of the battery
- Disassembled LCD box which can make the operation in a distance of 15 meters

**EP Series & EP solar Series - Pure sine wave inverter (with charger)**

Model #	EP-1012	EP-1024	EP-2012	EP-2024	EP-3024	EP-4048	EP-5048	EP-6048
Capacity	1000W	1000W	2000W	2000W	3000W	4000W	5000W	6000W
<b>INPUT</b>								
Input voltage range	185~265 ± 5Vac							
<b>OUTPUT</b>								
Output voltage range	185~265 ± 5Vac (AC mode) , 230Vac (DC mode)							
Output frequency (DC mode)	50Hz (48~54Hz) or 60Hz (58~64Hz), same as AC (AC mode), 50Hz ± 0.3Hz (DC mode)							
Waveform	Sine wave (DC Mode)							
Transfer time	10ms. (Typical)							
<b>BATTERY</b>								
Rated charging current (max)	45A							
Norminal DC input voltage	12V	24V	12V	24V	48V			
Min. DC start voltage	10V / 20V / 40V							
<b>PROTECTION &amp; FUNCTION</b>								
PROTECTION	Overload	(100%<load<120%) ± 10%: Auto shut down in 2 mins, (120%<load<140%) ± 10%: Auto shut down in 60secs (140%<load) ± 10%: Auto shut down in 20secs						
	Short circuit	Yes						
	Breaker	Input 15A; Output 10A		Input 30A; Output 15A	Input 35A; Output 20A	Input 35A; Output 25A	Input 40A; Output 30A	
FUNCTION	1. DSP control; Fast transfer time							
	2. Intelligent battery management							
	3. Disassembled LCD box which can make the operation in a distance of 15 meters							
	4. Optinal charging current for different capacity of batteries							
	5. Low current of 800mA for no load (EP solar series)							
<b>PHYSICAL</b>								
Unit dimension (mm)	526*277*212				702*277*212			
Master box dimension (mm)	620*350*370				810*350*370			
Pcs in one master carton	1							
Gross weight (1pc, kg)	28	33.0		35.0	42	45	47	
Net weight (1pc, kg)	22.8	27.6		32.4	38.2	41	44.5	