

Product Name: **ZL Power LW Pure Sine Wave Inverter**

Mode No. : LW series 500~8000W

Classification: Pure Sine Wave

Introduction: Based on transformer technology, strong loading capacity. Used for all kinds of home/office equipment, and solar power system.



MODEL	LW-1000	LW-1500	LW-2000	LW-3000	LW-4000	LW-5000	LW-6000
Nominal Power	1000W	1500W	2000W	3000W	4000W	5000W	6000W
<b>AC Input</b>							
Phase & waveform	Single phase & Pure Sine Wave						
Voltage	110/120/130VAC or 220/230/240VAC						
Acceptable Voltage	95-126VAC or 194-253VAC±4%						
Low Line Disconnect	85VAC±4% or 184VAC±4%						
Low Line Re-connect	95VAC±4% or 194VAC±4%						
High Line Disconnect	136VAC±4% or 263VAC±4%						
High Line Re-connect	126VAC±4% or 253VAC±4%						
Frequency	50Hz:41-54Hz 60Hz:51-64Hz						
<b>AC Output</b>							
Phase & waveform	Single phase & Pure Sine Wave (bypass mode sync to input)						
Voltage	110/120/130VAC or 220/230/240VAC±10%rms (bypass mode sync to input)						
Frequency	50Hz±0.3Hz 60Hz±0.3Hz (bypass mode sync to input)						
Peak Power	3 times of rating power						
Short Circuit Protection	Yes, shutdown after 10ms						
Power Factor	0.9-1.0						
<b>DC Input</b>							
Battery Voltage	12VDC or 24VDC or 48VDC						
Minimum Start Voltage	10VDC or 20VDC or 40VDC						
Low Battery Alarm	10.5±0.3vdc or 21±0.6vdc or 42±1.2vdc						
Low DC input Shut-down	10±0.3vdc or 20±0.6vdc or 40±1.2vdc						
High DC input Alarm & Fault	16±0.3vdc or 32±0.6vdc or 64±1.2vdc						
High DC input Recovery	15.5±0.3vdc or 31±0.6vdc or 62±1.2vdc						
MAX Charger Current	20A/35A/ 50A/75A/90A(According to the Inverter model)						
<b>System parameter</b>							
Battery Mode Efficiency	>85%						
Line Mode Efficiency	>96%						
power saver	Load ≤25W (Enabled on "P/S auto" setting of Remote control)						
Audible Alarm	Sounding when the heat sink's tem is over 100°C and shutdown after 30 seconds.						
Over Load Protection	110%<load≤="" after="" fault="" and="" 1s="" every="" 0.5s="" beeps=""></load Load>150%, beeps 0.5s every 1s, and Fault after 20s.						
Protections	low battery、 over charging、 over temp、 over load						
Communications	RS-232/USB/SNMP(custom-made)						
Operating Environment	0-40°C,0-90%RH(non-condensing)						
Audible Noise	<60dB						
Net Weight(KG)	16kg	18kg	20kg	25kg	39kg	42kg	49kg
Dimension L X W X H	470 X223 X185mm				650 X223 X185mm		

**Main Features:**

- \*LCD digital display show voltage, load and battery info in real time.
- \*Peak power is three times of rated power.
- \*Can work with inductive load such as air conditioner, motor door and so on.
- \*Pure sine wave output, available for sensitive load.
- \*4-step progressive charging, 7 battery type selector.
- \*Fast and powerful charger with 35A and 70A.
- \*Accept generator's energy output.
- \*High power factor 0.9, low power consumption.
- \*Automatically transfer between battery and line modes.
- \*Microprocessor control guarantees high reliability.
- \*Bypass without battery connected.
- \*Remote control function.
- \*Protection against: Over load, over temperature, over charging, low battery
- \*Reverse connection (optional by hard connector), Blackouts

**Specification:**