

# PWR 11-LC

## Line Interactive 1000-3000VA UPS (LCD Panel)

Microprocessor controlled, full automatic, sinusoidal line interactive LCD panel uninterruptible power supply. Ideal Applications; Home – Office computers, supermarket POS machines, work stations, peripheral devices, also suitable for all devices fed by 220VAC.



### General features

- Wide input voltage and frequency range, full AVR
- Microprocessor-based digital control provides pure sinewave output waveform
- Automatic 50Hz/60Hz input frequency detection
- LCD screen and alarm features
- Automatic battery test characteristic
- Automatic switch on off characteristic
- Audible warning
- Overload, short circuit, lightning protection
- Switch off the inverter in a minimum time
- Battery self diagnosis, full protection against overload short circuit etc.
- LCD Screen for battery capacity and load capacity
- RS 232 /USB supported- optional

### TECHNICAL DATA

MODEL	PWR11-LC1000	PWR11-LC1500	PWR11-LC2000	PWR11-LC3000	PWR11-LC1000A	PWR11-LC1500A	PWR11-LC2000A	PWR11-LC3000A
VA	1000VA	1500VA	2000VA	3000VA	1000VA	1500VA	2000VA	3000VA
WATT	800W	1200W	1600W	2400W	800W	1200W	1600W	2400W
<b>LCD SCREEN</b>								
LCD Screen	LED Display / LED+LCD display							
<b>AC MODE CHARACTERISTICS</b>								
Load Type	PCs, printers, monitors, cameras, Fire alarms, CCTVs							
Phase	1 phase+N							
Input voltage	165VAC-280VAC / 145VAC-280VAC . Optional 82VAC-138VAC +/-25%							
Input frequency	Between 45-65Hz. Transfer to battery mode if out of this range							
Output voltage	190VAC-245VAC/95VAC-123VAC							
Efficiency	≥96 AC Mode							
Overload	at 110% load online during 60sec., then bypass							
	at 120% load online during 30sec., then bypass							
	at low load, automatic detection							
Short circuit protection	Input fuse protection							
<b>INVERTER MODE CHARACTERISTICS</b>								
Output voltage	220VAC +/- 5% /110VAC +/- 10%							
Output frequency	50Hz / 60Hz (automatic detection)							
Output power factor	≥0.8							
Waveform	Sinusoidal							
Output THDv	≤5( at linear load)							
Switching delay	Minimum 5ms, Maximum 8 ms.							
Efficiency	≥80%							
Overload	at 110% load online during 60sec., then bypass							
	at 120% load online during 30sec., then bypass							
Short circuit protection	≥20ms automatic switch off							
<b>BATTERY INFORMATION</b>								
Type	Dry type, maintenance free battery							
Battery DC Voltage	24VDC	24VDC	36VDC	48VDC	24VDC	36VDC	48VDC	48VDC
Battery Configuration	2x12V/7Ah	2x12V/8Ah	3x12V/8Ah	4x12V/8Ah	External battery			
Battery Current	Maximum 1.2 A				Maximum12A			
Battery Capacity	After 8 hour, 90% capacity							
Battery Time	≥10min (at PC loads)							
<b>GENERAL FEATURES</b>								
Output socket type	Standard 220VAC socket (adjustable)							
IP Protection	IP 20 Standard - Custom design optional							
Operating temperature	0-40							
Humidity	10-90% (non condensing)							
Noise level	<50db (1m)							
Dimensions (mm) WxDxH	145x360x215	145x430x215	200x475x33		145x360x215			200x475x337
Packaged Dimensions	236x427x316	240x510x320	320x592x462		325x450x245			320x592x462
Net Weight (kg)	14,5	15,5	18,5	27	8,9	10,4	13,2	22,5
Gross weight (kg)	15,5	16,5	19,5	28,6	9,6	11,2	13,9	23,2
<b>STANDARDS</b>								
Marking	CE, GOST, TSE-HYB							
Safety	IEC EN 62040-1							
Test & Performance	IEC EN 62040-3							
Quality & Environment	ISO 9001:2008, ISO 14001:2004							
	<ul style="list-style-type: none"> <li>• All specifications subject to change without notice.</li> <li>• Custom made orders are acceptable.</li> </ul>							