

PURE SINE WAVE INVERTER-CHARGER (PIP-LC SERIES)

LCD DISPLAY

LOW FREQUENCY

PURE SINE WAVE

AC CHARGER



KEY FEATURES

- **Pure sine wave** inverter/charger design ensuring compatibility with all loads.
- **Low-frequency** feature compatible with wide range of high energy loads.
- Available in **DC priority*** or AC priority mode (default). *24V and above only
- LCD panel displays important system info and supports remote monitoring.
- Available from 800W to 11KW output at 12/24/48V.
- **3 in 1:** Inverter + UPS + Battery Charger functionality.
- DC start and automatic self-diagnostic sequence.
- <3% Total Harmonic Distortion (THD).
- Support batteries up to 600Ah.
- System designed to operate under harsh environment.
- 3 LED lights provides easy reading on system status.
- Inherent full-feature safety protections.
- Suitable for rack or wall mounting.

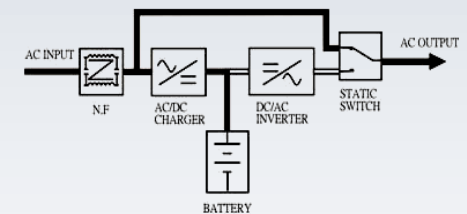
Available options:

1. 50A Solar Charge Controller
2. Green Power Mode

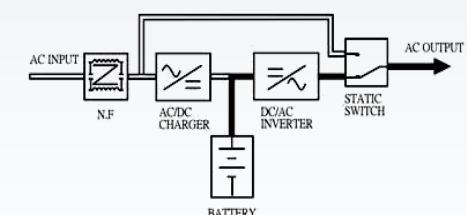
PIP-LC SERIES 812 1624 2424 4024 6048 8048 11048

ELECTRICAL SPECIFICATIONS							
Continuous/Surge Output	800/1600W	1.6/3.2KW	2.4/4.8KW	4/8KW	6/12KW	8/16KW	11/14.5KW
Input Voltage Range	60~135V or 120~270VAC (nominal 120 or 230V)				120~270VAC (nominal 230V only)		
Output Voltage	Single Phase, 110/115/120Vac or 220/230/240VAC (programmable)					220/230/240VAC only	
Output Waveform	Pure Sine Wave						
Output Frequency	50Hz or 60Hz (auto sensing 45Hz~70Hz)						
Output Regulation	< 3% RMS for battery voltage range						
Efficiency	> 80%						
Input VDC / Range	12V: 10.5~14.5V	24V: 20~29.3V			48V: 40~58.5V		
Transfer Time	< 8ms						
Recharging Current	>40A	>50A	>60A		>85A		
50A SOLAR CHARGER (OPTIONAL)							
Charging Voltage	13.8V	27.7V			55.2V		
Max PV Input Voltage	22V	45V			100V		
PROTECTIONS							
Batt. Reverse Polarity	By Fuse						
Overload (UPS/Batt. Mode)	> 110%: Pre-Alarm, Amber LED Blinking / >110~150% for 30 sec, > 150% for 200ms Shutdown						
Over Temperature	> 60°C Pre-Alarm						
Low Battery	<10.8V Pre-Alarm <10.3V Shutdown	< 21.5V Pre-Alarm < 20V Shutdown			<42.5V Pre-Alarm <40V Shutdown		
Short Circuit	Circuit (UPS Mode) / Electronic Circuit (Battery Mode)						
LED Indicator	Green: Power, Amber: Warning, Red: Fault						
LCD Display	UPS Status, Input / Output Voltage Frequency, Load, Battery Voltage, Battery Capacity, Temperature						
ENVIRONMENTAL / MECHANICAL SPECIFICATIONS							
Certification / EMC	CE / EN62040-1-1, EN62040-2						
Operating Temp.	0°C ~ +40°C						
Operating Humidity	20~90%RH Non-Condensing						
Dimension	298*400*150mm	298*450*190mm	415*600*260mm		452*670*277mm		
Weight/Packing	15Kg	24Kg	25Kg	50Kg	52Kg	54kg	110kg

Normal Mode



Battery Mode



*Product specifications are subject to change without prior notice. ARM Solar is a registered trademark of ARM Solar Inc.