

PURE SINE WAVE INVERTER-CHARGER (PIP-LC SERIES, SPLIT PHASE)

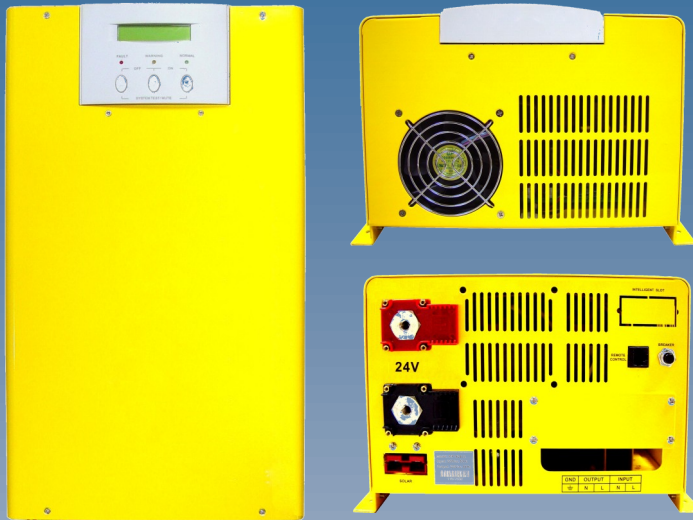
SPLIT PHASE

LCD DISPLAY

LOW FREQUENCY

PURE SINE WAVE

AC CHARGER



KEY FEATURES

- Split phase (1P3W) design featuring L-N-L terminal suitable for North America or countries with 110V and 220V output
- 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 design: Inverter + UPS + Battery Charger functionality.
- DC start and automatic self-diagnostic sequence.
- <3% Total Harmonic Distortion (THD).
- 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

ARM-LC SERIES

4024

6048

ELECTRICAL SPECIFICATIONS		
Continuous/Surge Output	4/8KW	6/12KW
Input Voltage Range	120~270VAC (230V)	
Output Voltage	SPLIT PHASE (1P3W), 110/115/120Vac or 220/230/240VAC	
Output Waveform	Pure Sine Wave	
Output Frequency	50Hz or 60Hz (auto sensing 45Hz~70Hz)	
Output Regulation	< 3% RMS for battery voltage range	
Peak Efficiency	90% (with Green Power Mode)	
Input VDC / Range	24V: 20~29.3V	48V: 40~58.5V
Transfer Time	< 8ms	
Recharging Current	>60A	
50A SOLAR CHARGER (OPTIONAL)		
Charging Voltage	27.7V	55.2V
Max PV Input Voltage	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 Batt (Alarm/Shutdown)	<21.5V / <20V	<42.5V / <40V
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	415*600*260mm	
Weight	65Kg	67Kg

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