**SPLIT PHASE LV SERIES**

**110-120V / 220-240V Hybrid Solar Inverter**

Suitable for use in USA/Puerto Rico, and Canada where split phase power standard is used.

### MAIN FEATURES

- **SPLIT PHASE output** capable 110-120V/220-240V (requires 2 units in parallel, max 4.8kw)
- Pure sine wave output 2.4kw, 24VDC
- Ideal for off-grid or grid optional application
- MPPT built-in solar charger max up to 80A
- Max PV input volt 145V
- Max PV input power up to 2KW
- Utility charging up to 60A max
- Parallel operation up to 9 units max, in single phase, split phase, or 3-phase applications
- Supports generator input (grid-tie disabled)*
- Programmable parameters
- Wide AC input range
- Lightweight, easy to install
- FREE monitoring software
- LCD Display + LED indicators
- USB, RS232 communication interface

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**SPLIT PHASE SETUP**

- Requires minimum 2 units of LV2424 in parallel
- 2 parallel kits will need to be installed
- L1 vs N: 110-120V
- L2 vs N: 110-120V
- L1 vs L2: 220-240V
- Maximum 4.8KW based on this setup
- Grid feedback should remain disabled

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**Split Phase LV SERIES**

<table>
<thead>
<tr>
<th><strong>STANDARD RATING</strong></th>
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<tbody>
<tr>
<td>Continuous Output</td>
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<tr>
<td>System DC Volt</td>
</tr>
<tr>
<td>Split Phase Capable</td>
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<tr>
<td>Maximum Parallel</td>
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</table>

**PV INPUT / SOLAR CHARGING**

- Max PV Input Power 2000w
- Max PV Input Volt 145VDC (open circuit Voc)
- MPPT Range 30 - 115VDC
- Number of PV Input 1
- Max Charging Current 80A

**BATTERY OUTPUT MODE**

- Output Waveform Pure Sine Wave
- Nominal Output Volt 101/110/120 VAC, Single Phase
- Frequency 50 / 60Hz, auto-sensing
- AC Input Transfer Relay 40A
- Max Efficiency >90%
- Max Utility Charging 60A
- Max Utility + Solar Charging 140A

**ENVIRONMENTAL / MECHANICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Communication Port</th>
<th>USB / Dry Contact</th>
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<tbody>
<tr>
<td>Operating Temp.</td>
<td>0 - 50°C</td>
</tr>
<tr>
<td>Operating Humidity</td>
<td>0 - 90% RH (No Condensing)</td>
</tr>
<tr>
<td>Dimension</td>
<td>468<em>295</em>120</td>
</tr>
<tr>
<td>Net Weight</td>
<td>11Kg</td>
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