

SPLIT PHASE LV SERIES

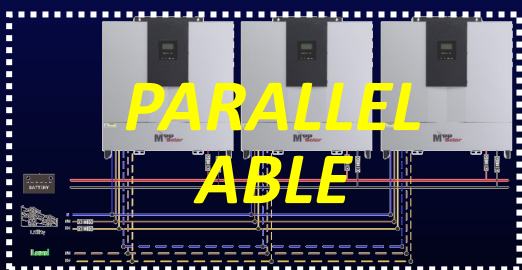
120V / 240V / 208V Off-Grid Solar Inverter

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



MAIN FEATURES

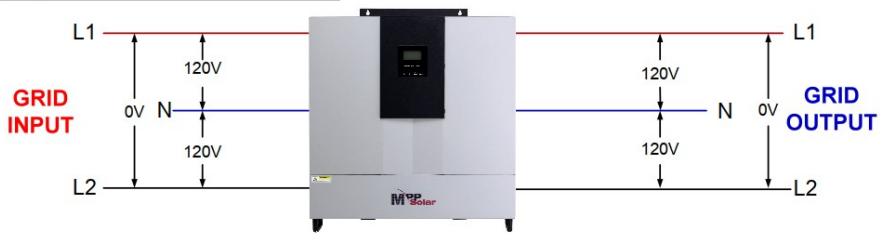
- **Versatile AC output modes:** single phase 120V, split phase 240V, and 3-phase 208V
- **Pure sine wave output 5KW / 48VDC**
- **Dual MPPT Input up to 160A max charge**
- **Max PV input power up to 8KW (4KW*2)**
- **Utility charging up to 60A max**
- **Max total system charging up to 220A**
- **Parallel operation up to 3 units max**
- **Genset starter dry contact***
- Programmable parameters
- Ideal for Off-Grid or Grid-backup application
- Wide AC input range
- Easy to install
- FREE monitoring software
- LCD Display + LED indicators
- USB, RS232 communication interface



*requires inverter-type generator of acceptable output quality

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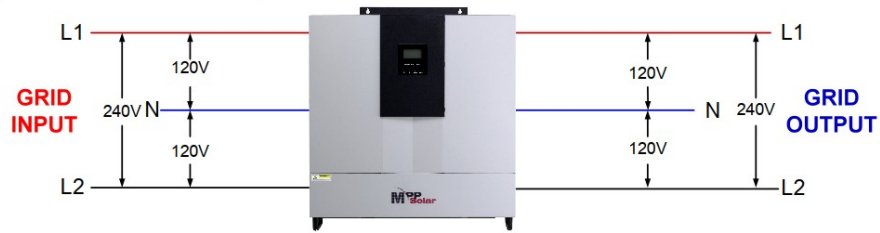
Single Phase L1-N / L2-N = 120V



Split Phase / 3-Phase L1-L2 = 208V



Split Phase L1-L2 = 240V



Split Phase LV SERIES

LV 5048

STANDARD RATING

| | |
|-------------------|--------------------------------|
| Continuous Output | 5000W |
| System DC Volt | 48VDC |
| AC Input Voltage | 110 / 120VAC (Phase - Neutral) |
| Maximum Parallel | Up to 3 units |

PV INPUT / SOLAR CHARGING

| | |
|----------------------|---------------------------|
| Max PV Input Power | 8000W (4000W each input) |
| Max PV Input Volt | 145VDC (open circuit Voc) |
| MPPT Range | 60 - 110VDC |
| Number of PV Input | 2 |
| Max Charging Current | 160A (80A X 2) |

OUTPUT MODE

| | |
|------------------------------|--|
| Output Waveform | Pure Sine Wave |
| AC Output Mode | 120V L-N / 240V L1-L2 / 208V L1-L2 3-Phase |
| Frequency | 50 / 60Hz, auto-sensing |
| Max Bypass Current | 40A |
| Max Efficiency | >90% |
| Max Utility Charging | 60A |
| Max Utility + Solar Charging | 220A |
| Max Bulk/Float Charge | 58.4V |

ENVIRONMENTAL / MECHANICAL SPECIFICATIONS

| | |
|--------------------|----------------------------|
| Communication Port | USB / RS232 / Dry Contact |
| Operating Temp. | 0 - 50°C |
| Operating Humidity | 0 - 90% RH (No Condensing) |
| Dimension | 623*610*130mm |
| Net Weight | 30Kg |

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