

120/240V SPLIT PHASE
OFF GRID SOLUTION

LV6548V

500V

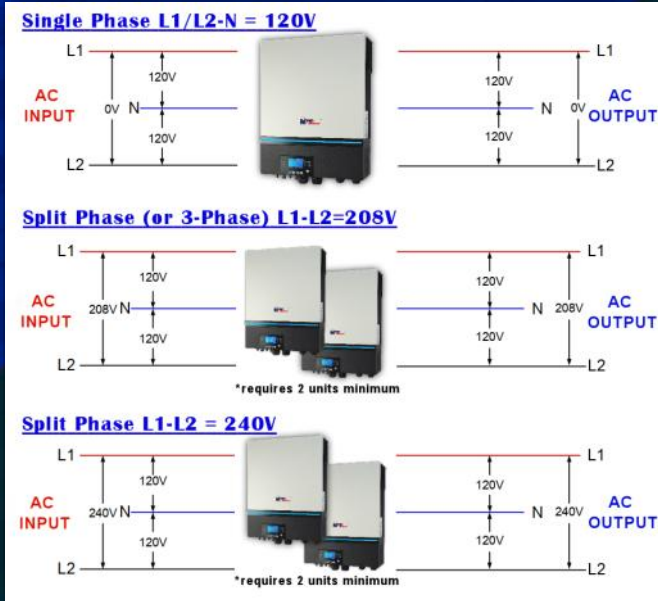
6500W | 48VDC | 120V

SPLIT PHASE 240V* / **3 PHASE 208V PARALLEL****
500V PV INPUT SOLAR INVERTER

*requires 2 units or more in parallel (with battery)
**requires 3 units or more in parallel (with battery)



UL1741 / CSA compliant



Enhanced PV Input

Max PV input up to **500V** allows efficient PV wiring in series. **500V model is fully compatible with 390V version in parallel.**

Built-in Parallel Kit

No more worry about not having enough power. Maximum expansion up to 6 units in 1P, 2P 240V, or 3P 208V. (battery required)

Large PV Support

This inverter offers dual 2X PV input, with a total PV array support up to 8KW combined. Max charging current up to 120A.

UL1741 Certified

Now TUV / UL certified this inverter is fully compliant in regions that recognize this important safety standard

Built-in WIFI Transmitter

Integrated WIFI transmitter allows monitoring on smartphone Apps (Android and iPhone). Internet connection is required.

Timer Control

Users can use built-in timer controls to program the time periods when a output power source or charging source will apply.

Battery Optional

Battery is no longer required in single unit mode and inverter can power load directly from solar.

BMS Support

LV6548 supports 3 main lithium batteries — Pylontech, WECO, and Soltaro. Special BMS cable is required and supplied separately

EQ Equalization Charge

Equalization charging is available and up to 62V. Duration and time of interval between equalizations can also be programmed.

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EXTENDED LITHIUM BMS SUPPORT

LV6548 offers integrated BMS comm port for use with leading lithium BMS systems including Pylontech, Weco, Soltaro, and LIB setting (MPP Solar's own protocol)

ENERGY MATE

Download this latest APP and monitor inverter data and control setting from your phone!



Split Phase LV Series

LV6548V

LV6548V 500V

Rated Inverter Power	6500W	
Parallel Capability	Up to 6 units	
ELECTRICAL SPECIFICATION		
Output Waveform	Pure sine wave	
Nominal Output Voltage	120 VAC	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
AC Voltage Regulation (Batt. Mode)	120VAC \pm 5%	
Peak Efficiency (Line Mode)	>95%	
Peak Efficiency (Inverter Mode)	>91%	
Transfer Time	15-20 ms (single) / 50 ms max (parallel)	
Battery Nominal Voltage	48V	
Max Bulk/Float Charge	62 VDC	
High DC Cut-Off	63 VDC	
Cold Start Voltage	46 VDC	
SOLAR CHARGER & AC CHARGER		
Solar Charger type	MPPT	MPPT
Maximum PV Array Power	8KW (4KW each input)	8KW (4KW each input)
PV Input	2	2
MPPT Range	90 - 350V	90 - 450V
Max PV Input Current	18A (each)	18A (each)
Maximum PV Array Voc	390V	500V
Maximum Solar Charge Current	120A	120A
Maximum AC Charge Current	120A	120A
Maximum Total Charge Current	120A	120A
ENVIRONMENTAL / MECHANICAL SPECIFICATION		
Communication Interface	USB/BMS/RS232/WIFI/dry contact	
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating / Storage Temp	-10°C to 40°C/ -15°C to 60°C	
Compliance Safety	UL1741 / CSA compliant	
Dimension, D X W X H (mm)	554 x 433 x 148	
Net Weight (kgs)	19kg	

*Product specifications are subject to change without further notice