

120V / SPLIT PHASE  
OFF GRID SOLUTION

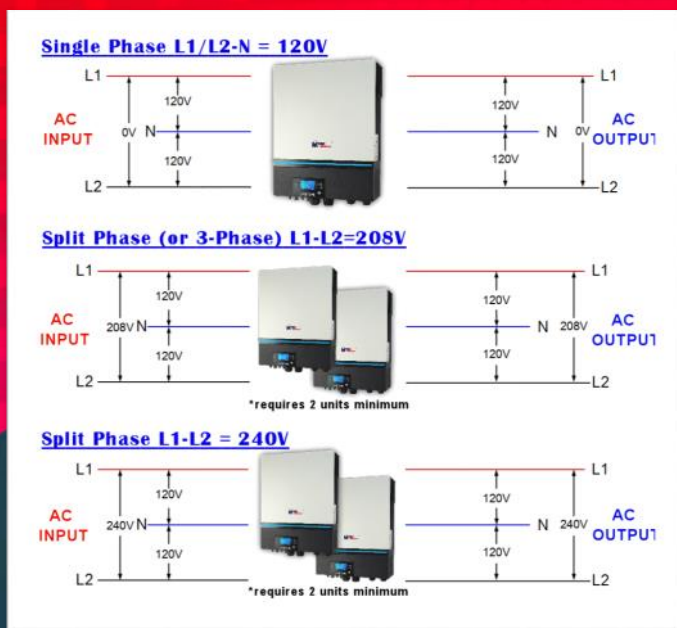
# LV6548V

6500W | 48VDC | 120V | SPLIT PHASE 240V\*  
| 390V PV INPUT Voc\*\* SOLAR INVERTER

\*requires 2 units or more in parallel / \*\*available on LV6548V only



UL1741 / CSA compliant



## Enhanced PV Input

Max PV input up to **390V** (Voc) now (LV6548V only) allows more efficient PV wiring in series



## UL1741 Certified

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



## Battery Optional

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



## Built-in Parallel Kit

No more worry about not having enough power. Maximum expansion up to 6 units. Battery is required in a parallel setup



## Built-in WIFI Transmitter

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



## BMS Support

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



## 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.



## Timer Control

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



## 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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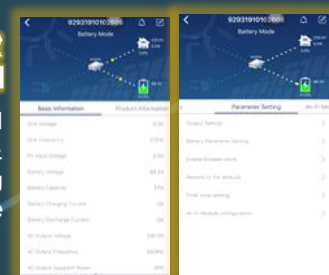


### EXTENDED LITHIUM BMS SUPPORT

LV6548 offers integrated BMS com port for Pylontech / Weco / Soltaro Lithium BMS systems. BMS allows inverters to communicate accurately with battery and settings will automatically be applied.

### WATCHPOWER WIFI

Download App and monitor data & control setting from your phone



## Split Phase LV Series

## LV6548

## LV6548V

NEW

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 ± 5%	
Peak Efficiency (Line Mode)	95%	
Peak Efficiency (Inverter Mode)	91%	
Transfer Time	15 ms (For Personal Computers), 20 ms (For Home Appliances)	
Battery Nominal Voltage	48V	
Max Bulk/Float Charge	62 VDC	
Overcharge Protection	66 VDC	
Cold Start Voltage	46 VDC	
SOLAR CHARGER & AC CHARGER		
Solar Charger type	MPPT	MPPT
Maximum PV Array Power	4000W (each)	4000W (each)
PV Input	2	2
Recommended Minimum PV input	90 VDC	90 VDC
Max PV Input Current	18A (each)	18A (each)
Maximum PV Array Voc	250V	390V
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