

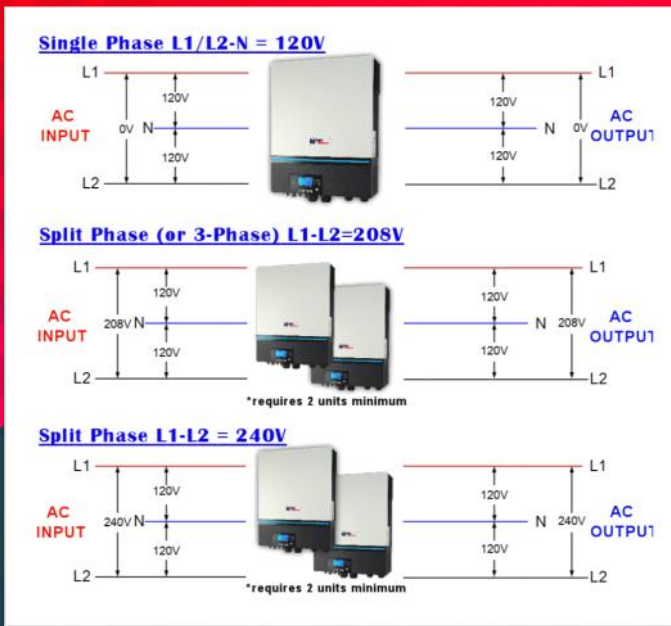
120V / SPLIT PHASE
OFF GRID SOLUTION

LV6548

6500W | 48VDC | 120V | SPLIT PHASE 240V*
SOLAR INVERTER



UL1741
Compliant



⚡ High PV Input

Max PV input up to 250V (Voc) allows more efficient PV wiring in series

UL TUV / UL 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.

🌿 Parallel Expansion

No more worry about not having enough power. Maximum expansion up to 6 units / 39KW max (battery required)

📶 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.

*requires 2 units or more in parallel

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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

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%
Efficiency (Peak)	91%
Transfer Time	15 ms (For Personal Computers), 20 ms (For Home Appliances)
No Load Power Consumption	<70W
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
Maximum PV Array Power	4000W (each)
PV Input	2
Recommended Minimum PV input	90 VDC
Max PV Input Current	18A (each)
Maximum PV Array Voc	250V
Maximum Solar Charge Current	120A
Maximum AC Charge Current	120A
Maximum Total Charge Current	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 compliant (TUV)
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