

120/240V SPLIT PHASE
OFF GRID SOLUTION

LV6548V

500V

6500W | 48VDC | 120V | SPLIT PHASE 240V*
500V PV INPUT SOLAR INVERTER

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



Single Phase L1/L2-N = 120V



Split Phase (or 3-Phase) L1-L2=208V



Split Phase L1-L2 = 240V



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. Battery is required in a parallel setup

☀️ 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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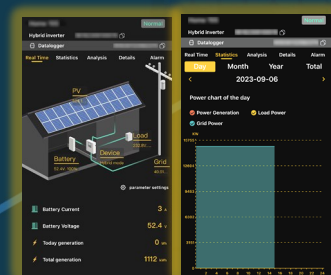


EXTENDED LITHIUM BMS SUPPORT

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

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 \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

