

IP65 WATERPROOF HYBRID LVX6048WP

120/240V LV HYBRID
SOLAR INVERTER



MAX
SOLAR
7.5KW

PV
INPUT
2

AC COUPLING
SUPPORT¹

TESTED AND
APPROVED



IP65

TÜVRheinland[®]
CERTIFIED

UL1741
COMPLIANT



IP65 WEATHER GRADE ²
Waterproof and Dustproof



BUILT-IN WIFI MODULE ³
Monitoring on smartphones



RS485 + CANbus SUPPORT
For lithium BMS communication



GRID-INTERACTIVE
Support Grid-Tie or Off-Grid

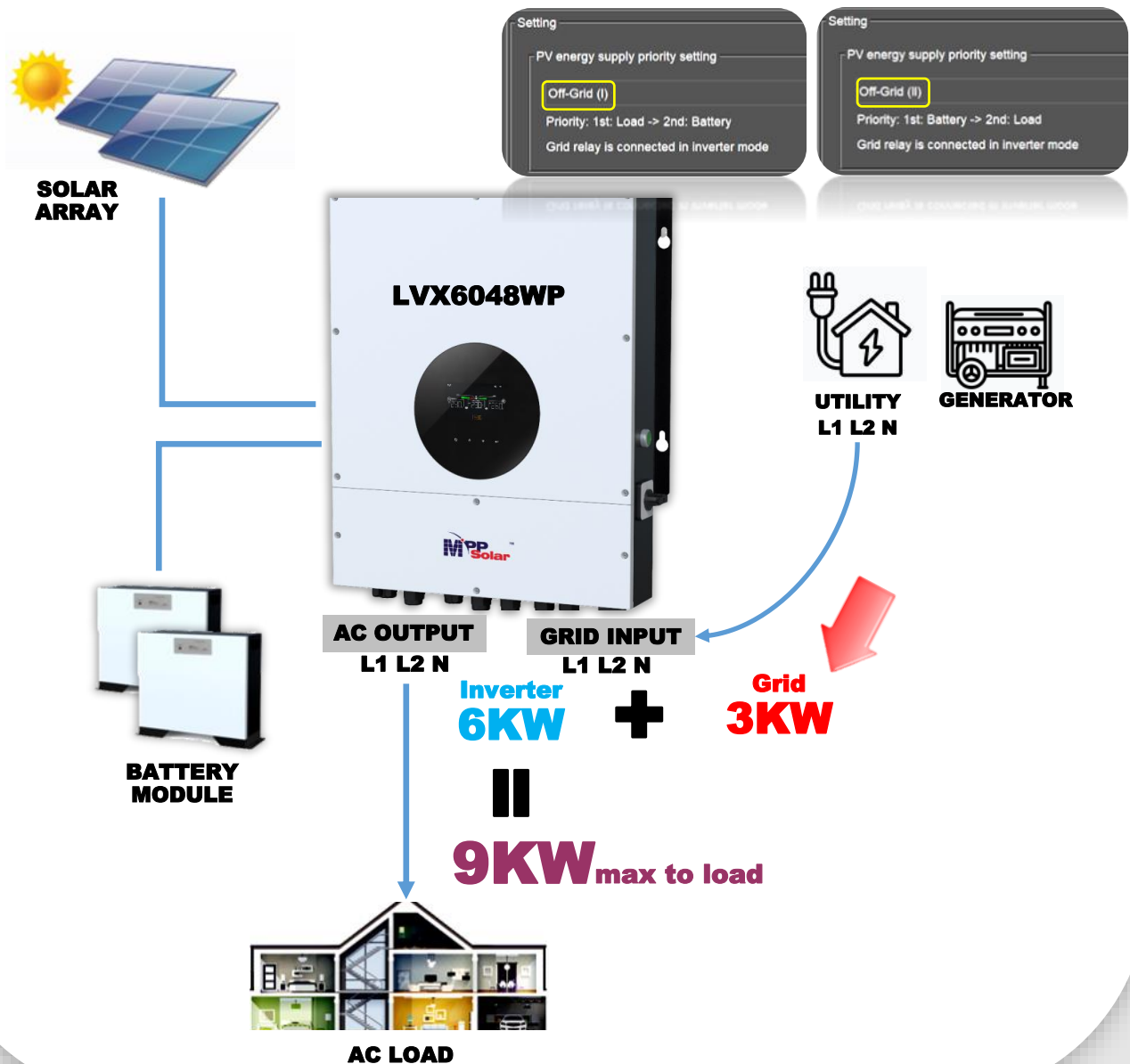
1. not applicable to parallel (AC output) setup
2. certain restrictions apply: do not install units on sites where there is direct exposure to sunlight, rain, snow, >95% humidity, near antenna or at altitude >2km above sea level
3. available on iPhone and Android.

Enabling Grid Relay Feature

this feature can only be activated under OFF-GRID I and II mode

Q. What is "Grid Relay" ?

When this feature is enabled and grid is available, the inverter can support load more than its designed maximum output rating (6kw), by combining power supplied from grid or generator source, and reach up to **9kw** max. This function can only be enabled when selecting **Off-Grid I or II mode** and under these modes, **grid-injection is disabled**.



120/240V LV HYBRID SOLAR INVERTER



PARALLEL CAPABLE

Max 6 units, 120/240V Split Phase

AC COUPLING SUPPORT

Work with existing GT system on AC network*

*not applicable to parallel (AC output) setup

AC COUPLING: CONVERT GRID-TIE TO HYBRID



Waterproof Hybrid LV Inverter

LVX6048 WP

STANDARD RATING

Continuous Output	6000W
System DC Volt	48VDC
AC Input Voltage	120 VAC (P-N) / 240 VAC (P-P)
AC Input Frequency	50 / 60Hz, auto-sensing
Maximum Parallel	Up to 6 units

PV INPUT / SOLAR CHARGING

Max PV Input Power	5500W (each input) / 7500W (total)
Max PV Input Volt	600V (Voc)
MPPT Range	120 - 550 VDC
Max PV Input Current	15A
Number of PV Input	2
Max Charging Current	120A

OUTPUT MODE

Output Waveform	Pure Sine Wave
AC Output Voltage	120 VAC single phase, 208/240 VAC split phase
AC Output Frequency	50 / 60Hz, programmable
Max AC Input Current	30A
Max Efficiency	>91%
Max Utility Charging	120A
Max Utility + Solar Charging	120A
Max Bulk/Float Charge	62V

ENVIRONMENTAL / MECHANICAL SPECIFICATIONS

IP Rating	IP65
Communication Port	USB / RS232 / RS485 / WIFI / Dry Contact
Operating Temp.	-25 ~ 60°C (power derate >45°C)
Operating Humidity	0 - 95% RH (No Condensing)
Dimension / Net Weight	700*515*216mm / 41KG
Altitude	Max 2000m (power derate >1000m)

Product specifications are subject to change without further notice.

