

HIGH FREQUENCY OFF GRID SOLAR INVERTER
PV1800 TLV Series



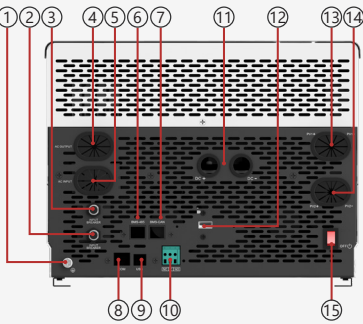
6KW | 120V,240V | Wifi

This split phase solar inverter PV1800 TLV series, capacity 6KW, DC 48V, it's applicable to 110VAC/120VAC markets demands, which has AC output of single phase 110VAC/120V, split phase 220V/240V; In LCD display, you can set output voltage, frequency, charging voltage, charging current to design best use based on different loads applications; meanwhile, it has built-in two 80A MPPT solar charge controllers, you can take use of sunshine freely and save electricity bills.



- Pure sine wave solar inverter
- Output power factor 1
- Built-in two 80A MPPT solar charge controllers
- 2 units can be wired in parallel to create a split-phase system with 120V and 240V capabilities
- WIFI remote monitoring (optional)
- Acid or Lithium Battery Select
- CAN/RS485 communication for BMS
- Compatible to generator

Back panel description



1. Ground

2. Input breaker1

3. Input breaker2

4. AC output

5. AC input

6. RS-485 Communication port

7. CAN port
8. Communication port

9. USB port

10. Dry contact

11. Battery input

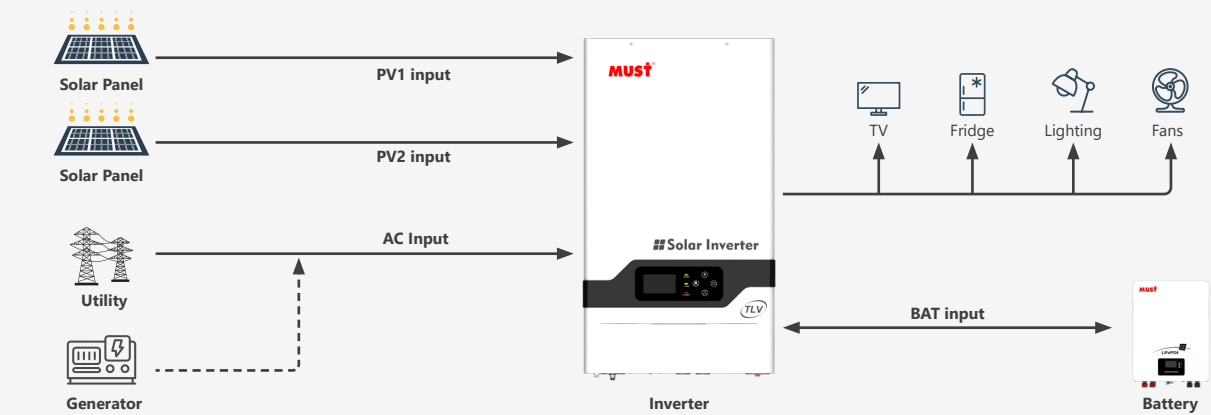
12. WIFI port

13. PV1 input

14. PV2 input

15. Power on/off switch

Solar system connection



MODEL	PV18-6048 TLV
Nominal Battery System Voltage	48VDC
INVERTER OUTPUT	
Rated Power	6000W
Surge Power	12000VA
Waveform	Pure sine wave
AC Voltage Regulation (Batt.Mode)	120VAC/240VAC ±5% (L-L)
Inverter Efficiency(Peak)	90%~93%
Transfer Time	10ms (UPS / UL) 20ms (APL)
AC INPUT	
Voltage	240VAC
Selectable Voltage Range	214~264VAC(UL)
Frequency Range	50Hz / 60Hz(Auto sensing)
BATTERY	
Normal voltage	48VDC
Floating Charge Voltage	54.8VDC
Overcharge Protection	60VDC
SOLAR CHARGER & AC CHARGER	
Maximum PV Array Open Circuit Voltage	250V
Maximum Solar Charge Current	80A/80A
PV Array MPPT Voltage Range	60~200VDC
PV Input Power	4000W/4000W
Maximum Efficiency	98%
Maximum AC Charge Current	60A/60A
Maximum Charge Current	280A
MECHANICAL SPECIFICATIONS	
Machine Dimension (W*H*D)(mm)	318*560*249
Package Dimension (W*H*D)(mm)	678*345*420
N.W(kg)	20
G.W(kg)	22
OTHER	
Humidity	5% to 95% Relative humidity (Non-condensing)
Operating Temperature	-10°C~50°C
Storage Temperature	-15°C~60°C
Standard Warranty	2years
CERTIFICATION & STANDARDS	
CE-LVD (IEC62109-1, EN IEC62109-2); UKCA-(BS EN 62109-1, BS EN 62109-2)	

*The technical specifications of this document are subject to change without any notice