

# HIP6000OM-D

## On-grid/Off-grid Hybrid Energy Storage PV Inverter

### Specifications



**5 YEAR**  
WARRANTY

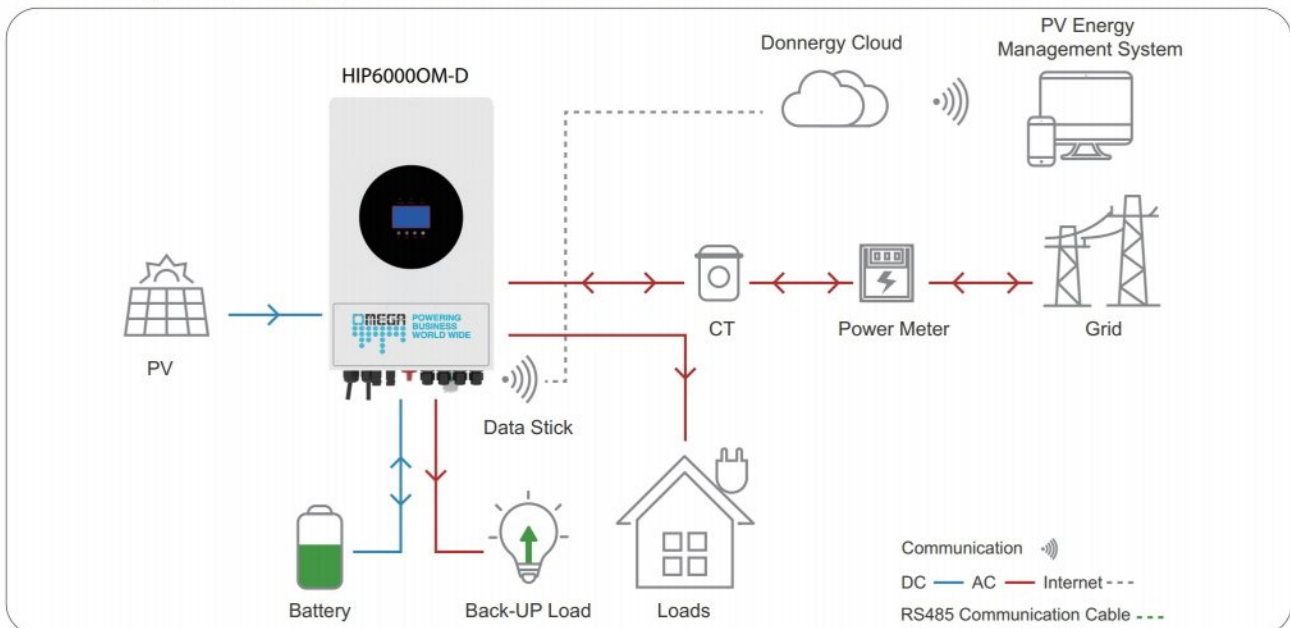


### Features

- Multiple operating modes, on-grid, off-grid and UPS, MPPT charger built in.
- Controlled by built-in DSP and adopt advanced SPWM technology.
- Integrated smart APP, can remotely diagnose and update.
- Droop control, Max 6pcs in parallel.
- Suitable for customizing various PV Energy Storage System.
- Compatible with almost all 48V LiFePO4 battery pack.

This On-grid/Off-grid Hybrid PV Inverter has both Grid-tied/Off-grid and Energy Storage Function:

- Power generated by the PV array or from the Utility Grid can be stored in a battery or to be used to power your loads.
- Power generated by the PV array or stored inside the battery can be sold to the Utility Grid or to be used to power your loads.
- Featured with UPS function, ensure that the load is not powered off.
- Cloud energy management App for data collection and remote control.



Model	HIP6000-D
<b>PV input</b>	
Max Input Power	7000
Max Input Voltage	500V
Start-up voltage	150V
PV input range	360V (100V~500V)
MPPT voltage range	120V~450V
MPPT qty	2
Max input current	15A/15A
<b>Output/Input (AC)</b>	
rated power output	6000W
Max output power	6000VA
Rated output current	26.1A
Max output current	28.7A
Grid voltage type	230Vac (single phase)
Rated grid frequency	50Hz/60Hz(option)
<b>off grid output</b>	
Max output power	6000W
Rated output voltage	230Vac (single phase)
Rated output frequency	50Hz/60Hz(option)
Shift time	≤ 10ms
Total harmonic distortion (linear load)	THD<3% (Linear load<1.5%)
<b>Battery</b>	
Battery voltage range	40~60V
Max battery charge current	100A
Max battery discharge current	130A
Battery type	Lead-acid or Lithium-ion
Communication port	RS485; CAN
<b>Efficiency</b>	
Max efficiency	97%
Eu efficiency	97%
Mppt efficiency	99.9%
Max battery to Ac efficiency	94%
<b>System</b>	
Protection Level	IP65
Operating Temperature Range	-25~60 , >45 Derating
Relative Humidity	0-95%
Cooling Method	Smart cooling
Altitude above sea level	Under 2000m
Display	LCD
Communication	RS485/USB/CAN/Wifi(GPRS option)
Warranty	5 years (standard)
<b>Mechanical</b>	
Size(L*W*H )	580*350*280
Installation method	Wall
Weight	25Kg