



**6000W DC 48V** Split Phase Low Frequency, pure sine inverter, AC input **240V AC**, AC Output **120V/240V**, MPPT Max **120A** solar charger and **120A** AC charger.



Pure Sine Wave

**6000W**

Hybrid Solar Inverter

**120V  
240V**

AC Output

**120A**

Max Battery Charger

### Parallel Kit

Parallel support up to 9 units (54KW Max), 120V/240V split phase output without needing to parallel.

### WIFI Model

Built-in WIFI transmitter to support monitoring on smart-phones.

### Batteryless support

The inverter can power the loads from the PV array / ac grid without a battery connected ( single unit support).

### BMS Support

BMS (RS485, CAN-BUS, RS232) communication for Pylontech, Soltaro and Weco battery systems.

### Grid Feedback

Grid Injection may be enabled to feed excess PV power to the grid (note: be sure to check with the local authority for approval before application)and this function can be disabled.



# Hybrid BluePower TP6048 INVERTER / CHARGER

| <b>GENERAL INVERTER SPECIFICATIONS</b>                  |  |
|---|--|
| Number of Stackable Inverters                           | 9  |
| Nominal AC Input Voltage                                | 120/240VAC(L1/L2/N required)               |
| Nominal Input Frequency                                 | 50 Hz/60 Hz (Auto Detection)               |
| <b>BACKUP MODE SPECIFICATIONS</b>                       |  |
| Rated Output Power                                      | 6000W                                      |
| Nominal DC Input Voltage                                | 48VDC                                      |
| Nominal Output Voltage                                  | 110-120VAC (L-N) / 220-240VAC (L1-L2)      |
| Power Factor Range                                      | >0.99                                      |
| Efficiency (DC to AC)                                   | 93%  |
| <b>SOLAR INPUT SPECIFICATIONS</b>                       |  |
| Max. PV Power   | 6000W                                      |
| MPPT Working range                                      | 120 VDC~430 VDC                            |
| Maximum PV open voltage                                 | 450 VDC                                    |
| Max Input Current Draw                                  | 27A  |
| Max Charging Current (PV alone, or combined AC and PV ) | 120A                                       |
| <b>ENVIRONMENTAL SPECIFICATIONS</b>                     |  |
| Operating Temperature                                   | -10°C to 50°C                              |
| Application Type  | Indoor only                                |
| Humidity  | 0 ~ 90% Relative Humidity (non-condensing) |
| Idle Power Consumption                                  | 135W                                       |
| Operating Altitude                                      | 0 ~ 1500 Meters                            |
| <b>PHYSICAL SPECIFICATIONS</b>                          |  |
| Dimension: L X W X H (inch)                             | 25.6X15.0X5.9                              |
| Net Weight (lb)   | 73.2                                       |
| <b>WARRANTY INFORMATION</b>                             |  |
|   | 3 years                                    |