

### GPH-ins-6.5K-48L



- Status indication with RGB lights
- Built-in Wi-Fi for mobile monitoring (Android/iOS App is available)
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Replaceable fan design for ease of maintenance
- Battery independent design
- Configurable AC/PV output usage timer and prioritization
- Selectable high power charging current
- Selectable input voltage range for home appliances and personal computers
- Compatible to Utility Mains or generator input
- Built-in anti-dust kit
- Optional DC output for DC fan, LED bulb, router and so on
- Parallel operation with 6 units



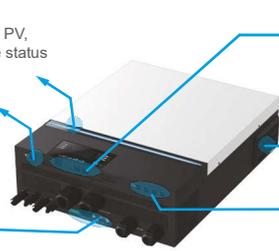
**RGB light:**  
Different color to present output source from PV, Grid or battery and battery charge/discharge status



**Communication for Remote panel**



**Parallel connectors:**  
Maximum 6 units in parallel



**Diverse communications:**  
USB On-the-Go function, Dry contact and BMS communication



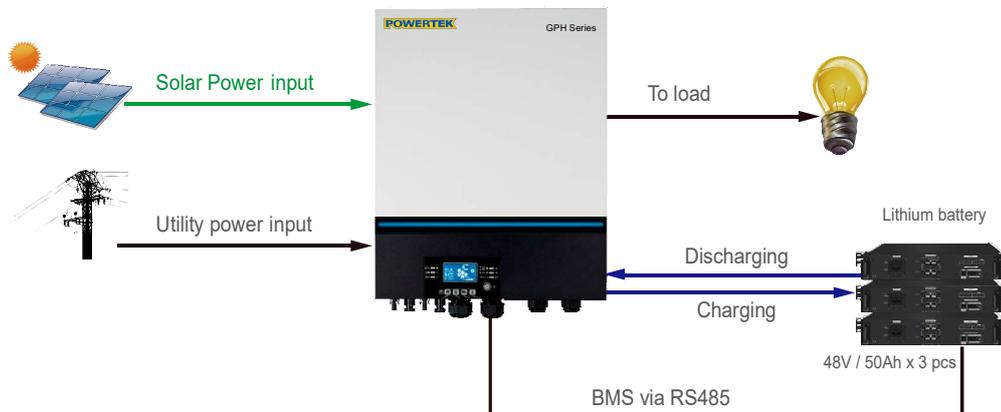
**Anti-dust filter:**  
Increase product reliability in harsh environment



**DC output connectors:**  
Connect to DC fan, LED bulb or router



#### System Diagram:



#### Back Time with Lithium-ion Battery

Unit:min

Inverter Model	Rated Load (Watt)	Battery Model	Usable Capacity (Wh)	BAT x 1	BAT x 2	BAT x 3	BAT x 4	BAT x 5	BAT x 6	BAT x 7	BAT x 8
Axpert MAX 6500-48-120	3250	LIO-4805	2400	39	79	119	159	199	239	279	319
	3250	LIO-4810	4800	79	159	239	319	398	478	558	638
	6500	LIO-4805	2400	N/A	39	59	79	99	119	139	159
	6500	LIO-4810	4800	39	79	119	159	199	239	279	319
	6500	LIO II-4810	5120	42	85	127	170	212	255	297	340

### GPH-ins-6K-48L Inverter Specification

MODEL	GPH-ins-6.5K-48L
Rated Power	6500VA/6500W
PARALLEL CAPABILITY	Yes, 6 units
<b>INPUT</b>	
Voltage	120 VAC
Selectable Voltage Range	90-140 VAC (For Computers) 80-140 VAC (For Home Appliances)
Frequency Range	50 Hz/60 Hz (Auto sensing)
<b>OUTPUT</b>	
AC Voltage Regulation (Batt. Mode)	120VAC $\pm$ 5%
Surge Power	13000VA
Efficiency (Peak)	91%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure sine wave
No Load Power Consumption	<70W
Optional DC Voltage	12 VDC $\pm$ 5%, 100W
<b>BATTERY</b>	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	63 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>	
Solar Charger Type	MPPT
Maximum PV Array Power	8000W (4000W x 2)
MPPT Range @ Operating Voltage	90 ~ 230 VDC
Maximum PV Array Open Circuit Voltage	250 VDC
Maximum Solar Charge Current	120 A
Maximum AC Charge Current	120 A
Maximum Charge Current	120 A
<b>PHYSICAL</b>	
Dimension, D x W x H (mm)	147.4 x 432.5 x 553.6
Net Weight (kgs)	18.4
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact
<b>OPERATING ENVIRONMENT</b>	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C

Product specifications are subject to change without further notice.