

# 5G PREMIUM

# DUAL MPPT

## 6.0/8.5 KW

### 5G Premium Series

#### ON GRID WITH ENERGY STORAGE SOLAR HYBRID INVERTER



## KEY SALIENT FEATURES

- Introducing 1st time in Pakistan, single phase inverters support three phase when installed in parallel
- 100 % Pure Sine wave Inverter
- Detachable touch screen control module with various communications
- PV and utility power the load at the same time (can be set)
- Output power factor PF=1.0
- Energy generated record, load record, history information and fault record
- Support Peak-Valley Charge
- Parallel operation up to 9 units
- Built-in two 5000W MPPTs, with wide input range: 120–450VDC
- Reserved communication ports (RS232, RS485, CAN)
- Upgraded 5th generation smart and intelligent solar inverter
- Zero transfer time
- Efficiently Work with & with out battery
- Optional Wi-Fi interface with Android & IOS
- Battery Equalization/Compatible with LI-ion , LifePo4 and etc. )
- Conformal Coating to Prevent from Dust and Humidity
- Easy Replacement of fans.
- Overload and Short Circuit Protection
- European Design and Engineered in Taiwan



\*Terms & Condition Applies



- 1 Removable screen port
- 2 Generator dry contactor
- 3 USB
- 4 For RRS (RS485 or CAN)
- 5 RS232
- 6 PV Input 1 and PV Input 2
- 7 AC Input
- 8 AC output
- 9 Parallel port
- 10 Battery input
- 11 WiFi port

Battery Optional

1kW=1kVA

Parallel

Bluetooth



Wi-Fi Function

Touch Screen

On&Off Grid



# Ain

SERIES

Powered by GROWATT PK

MODELS	5G PREMIUM 6000-48	5G PREMIUM 8500-48
<b>MODEL</b>	6000VA/6000W	8500VA/8500W
<b>Rated Power</b>		
<b>INPUT</b>		
<b>Voltage</b>	230 VAC	
<b>Selectable Voltage Range</b>	170-280 VAC (For Personal Computers); 90-280 VAC (For Home Appliances)	
<b>Frequency Range</b>	50Hz/60Hz (Auto Sensing)	
<b>OUTPUT</b>		
<b>AC Voltage Regulation ( Batt . Mode )</b>	230VAC +/- 5%	
<b>Surge Power</b>	11000 VA	16000VA
<b>Efficiency ( Peak )</b>	upto 96.5%	
<b>Transfer Time,</b>	10ms (For Personal Computers); 20ms (For Home Appliances)	
<b>Waveform</b>	Pure Sine Wave	
<b>BATTERY</b>		
<b>Battery Voltage</b>	48VDC	
<b>Floating Charge Voltage</b>	54 VDC	
<b>Overcharge Protection</b>	63 VDC	
<b>SOLAR CHARGER &amp; AC CHARGER</b>		
<b>Maximum PV Array Open Circuit Voltage</b>	500VDC	
<b>Maximum PV Array Power</b>	5000W X2	
<b>MPPT Range @ Operating Voltage</b>	120-450 VDC	
<b>Maximum Solar Charge Current</b>	100A	160A
<b>Maximum AC Charge Current</b>	80A	120A
<b>Maximum Charge Current</b>	100A	160A
<b>PHYSICAL</b>		
<b>Dimension , D x W x H ( mm )</b>	500x302x147.5	420x561.6x152.4
<b>Net Weight ( kgs )</b>	18	21
<b>Communication Interface</b>	USB/Rs232	
<b>ENVIRONMENT</b>		
<b>Humidity</b>	5% to 95% Relative Humidity (Non-Condensing)	
<b>Operating Temperature</b>	-10°C-55°C	
<b>Storage Temperature</b>	-15°C-60°Ca	

Note: Product specifications are subject to change without further notice



Wi-Fi Communication  
(Optional)



Detachable Touch Screen

