

Introducing 1st Time in Pakistan Real 5th GEN Inverter GOLD CASING With LASER CUT DESIGN

140A
TRUE MPPT

4.5/6.5 KVA

PV 6200 / PV 8200

ON/OFF/MKS/KS SOLAR HYBRID INVERTER

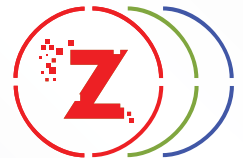


KEY SALIENT FEATURES

- > Introducing 1st Time In Pakistan Real 5th Gen Inverter, Supporting high efficiency Mosfet, Chopper with bigger size
- > Mars Series Inverter supports Multiple operation modes (ON/OFF/MKS/KS)
- > 100% Pure Sine Wave Solar Inverter
- > Output power factor 1.0
- > Optional Wi-Fi available for IOS/Android devices
- > Inverter running with battery or without battery
- > 1 button restore setting options in program (00)
- > Battery equalizations in program (30)
- > Record fault code feature in program (25)
- > Adaptable to main Voltage / generator power
- > Conformal coating to prevent from dust and humidity
- > Built-in automatic electronics breaker for overload & short circuit protection
- > New Remote Color Screen LCD function design with touch buttons
- > Built-in anti dust for harsh environment
- > Compatible with all kinds of Lithium Batteries
- > **98% Real time sharing**
- > **Overload Protection on 120% Load**
- > **Surge Capacity 2* Rated Power for 5 Seconds**
- > **Battery charging current upto 180A**
- > **MPPT Based Solar Charge Controller (140A)**
- > **High PV input voltage range (90~550 VDC)**
- > **12V DC Output 32A**
- > **Maximum PV input current 20A/32A**
- > **Multiple operation modes (On Grid / Of Grid / Hybrid)**
- > **Grid-Tied net metering feature with 100% reverse grid feeding**
- > **Builtin Zero export**
- > **Designed and Engineered in Taiwan**



RGB LIGHTING
to highlight modes
(charging/output/input)



NEW REMOTE
COLOR SCREEN LCD
WITH TOUCH BUTTONS



30 METER RANGE

Certification



Wi-Fi Dongle

MARS
S E R I E S

Powered by **GROWATT PK**

13

MODELS	MARS 5G GOLD PRO 6200PV	MARS 5G GOLD PRO 8200PV
PHASE	1-Phase in/ 1-Phase out	
MAXIMUM PV INPUT POWER	6200W	8200W
RATED OUTPUT POWER	4500W	6500W
MAXIMUM CHARGING POWER	4350W	6350W
GRID-TIE OPERATION		
PV INPUT (DC)		
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 550 VDC	
Start - up Voltage / Initial Feeding Voltage	120 VDC / 240 VDC	
MPP Voltage Range	90 VDC ~ 455 VDC	
Number of MPP Trackers / Maximum Input Current	1 x 20A	1 x 32A
Feed-in Grid Voltage Range	195 ~ 253 VAC	
Feed-in Grid Frequency Range	49 ~ 51 ± 1Hz	
GRID OUTPUT (AC)		
Nominal Output Voltage	220/230/240 VAC	
Output Voltage Range	220-230	
Nominal Output Current	20.45A	30.0A
Power Factor	1.0	
EFFICIENCY		
Maximum Conversion Efficiency (DC / AC)	97%	
European Efficiency@ Vnominal	98%	
OFF - GRID OPERATION WITH BATTERY		
AC INPUT		
AC Start - up Voltage / Auto Restart Voltage	90-140 VAC / 180 VAC	
Acceptable Input Voltage Range	170 - 280 VAC	
Maximum AC Input Current	60A	60A
PV INPUT (DC)		
Maximum DC Voltage	550 VDC	
MPP Voltage Range	90 ~ 455 VDC	
Number of MPP Trackers Maximum Input Current	1 x 20A	1 x 32A
Rated Current MPPT	140 A	
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage	220/230/240 VAC	
Output Waveform	Pure Sinewave	
Efficiency (DC to AC)	93%	
HYBRID OPERATION		
PV INPUT (DC)		
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 550 VDC	
Start - up Voltage / Initial Feeding Voltage	120 VDC / 240 VDC	
MPP Voltage Range	90 VDC ~ 455 VDC	
Number of MPP Trackers/Maximum Input Current	1 x 20A	1 x 32A
GRID OUTPUT (AC)		
Nominal Output Voltage	220/230/240 VAC	
Output Voltage Range	220-230	
Nominal Output Current	20.45A	29.54A
AC INPUT		
AC Start - up Voltage / Auto Restart Voltage	90 - 140 VAC	
Acceptable Input Voltage Range	170 - 280 VAC	
Maximum AC Input Current	24.45A	33.54A
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage	220/230/240 VAC	
Efficiency (DC to AC)	93%	
BATTERY & CHARGER		
Nominal DC Voltage	24V	48V
Maximum Charging Current	60/30 A Default Adjustment	
No Load Power Consumption	35W	62W
GENERAL		
PHYSICAL		
Dimension , D x W x H (mm)	540 x 440 x 205 mm	
INTERFACE		
Communication Port	com-Rs-232/USB	
ENVIRONMENT		
Humidity	0~90% RS (Non-Condensing)	
Operating Temperature	-10 to 50 Degree	
Altitude	0 ~ 1000 m**	

**All product specifications are subject to change without further notice.

