

MARS

S E R I E S

4.5 KVA 6.5 KVA

PV 6200 / PV8200

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
- ✓ 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
- ✓ Grid-Tied net metering feature with 100% reverse grid feeding
- ✓ Built-in Zero export
- ✓ Built-in automatic electronics breaker for overload & short circuit protection
- ✓ Overload Protection on 120% Load Surge Capacity 2 Rated Power for 5 Seconds
- ✓ New Remote Color Screen LCD function design with touch buttons
- ✓ Optional Wi-Fi available for IOS/Android devices
- ✓ Inverter running with battery & without battery
- ✓ 1 button restore setting options in program (00)
- ✓ Built-in anti dust for harsh environment
- ✓ Compatible with all kinds of Lithium Batteries
- ✓ 98% Real time sharing
- ✓ Battery charging current upto 200A (AC + Solar)
- ✓ 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)
- ✓ Designed and Engineered in Taiwan



Wi-Fi DEVICE
OPTIONAL



Apple — Wi-Fi App — Android



NEW REMOTE
COLOR SCREEN LCD
WITH TOUCH BUTTONS



30 Meter Range

RGB LIGHTING
to highlight modes
(Charging/Output/Input)



MARS

S E R I E S

MODELS	MARS 5G GOLD PRO PV 6200	MARS 5G GOLD PRO PV 8200
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	
MP Voltage Range	90 VDC ~ 455 VDC	
Number of MP Trackers / Maximum Input Current	1 x 20A	1 x 32A
	195 ~ 253 VAC	
	49 ~ 51 1Hz	
GRID OUTPUT (AC)		
Nominal Output Voltage	220/230/240 VAC	
Output Voltage Range	220-230	
Nominal Output Current	20.45A	29.5 A
Power Factor	1.0	
EFFICIENCY		
Maximum Conversion Efficiency (DC / AC)	97%	
European Efficiency@ nominal	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	
PV INPUT (DC)		
Maximum DC Voltage	550 VDC	
MPP Voltage Range	90 ~ 455 VDC	
Number of MP 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	
Emolency (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	
MP 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 , Dx W xH (mm)	540 x 440 x 205 mm	
INTERFACE		
Communication Port	com-Rs-232/USB	
ENVIRONMENT		
Humidity	0~90% S (Non-Condensing)	
Operating Temperature	-10 to 50 Degree	
Altitude	0 ~ 1000 m**	