

MARS

S E R I E S

PV 9200

MARS 6G GOLD PRO
ON/OFF/MKS/KS SOLAR
HYBRID INVERTER

KEY SALIENT FEATURES

- ✓ Introducing 1st Time In Pakistan Real 6th Gen Inverter, Supporting high efficiency Mosfet, Chopper with bigger size
- ✓ Mars Series Inverter supports Multiple operation modes (ON/OFF/HYBRID)
- ✓ 100% Pure Sine Wave Solar Inverter
- ✓ Output power factor 0.9
- ✓ 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
- ✓ 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 32A
- ✓ Multiple operation modes (On Grid/ Off 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)



MODELS

MARS 5G GOLD PRO PV 9200

PHASE	1-Phase in/ 1-Phase out
MAXIMUM PV INPUT POWER	9200 VA
RATED OUTPUT POWER	7000 VA
MAXIMUM CHARGING POWER	6500 VA
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 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	30.9A
Power Factor	0.9
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
MPPT Voltage Range	90 ~ 455 VDC
Number of MPPT Trackers Maximum Input Current	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
MPPT Voltage Range	90 VDC ~ 455 VDC
Number of MPPT Trackers/Maximum Input Current	1 x 32A
GRID OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	220-230
Nominal Output Current	30.9A
AC INPUT	
AC Start - up Voltage / Auto Restart Voltage	90 - 140 VAC
Acceptable Input Voltage Range	170 - 280 VAC
Maximum AC Input Current	34 A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Efficiency (DC to AC)	93%
BATTERY & CHARGER	
Nominal DC Voltage	48V
Maximum Charging Current	60/30 A Default Adjustment
No Load Power Consumption	65W
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-Comdending)
Operating Temperature	-10 to 50 Degree
Altitude	0 ~ 1000 m**