

# MAX SERIES

100A  
TRUE MPPT

1.6 KW  
3.5 KW  
5.5 KW

DUAL PV2500 / PV5000 / PV7000  
SOLAR HYBRID INVERTER



## KEY SALIENT FEATURES

- ✓ Introducing 1st Time In Pakistan Real 5th Gen Inverter
- ✓ MAX Series Inverter supports Multiple operation modes
- ✓ 100% Pure Sine Wave Solar Inverter
- ✓ Output power factor 1.0
- ✓ Optional Wi-Fi available for IOS/Android devices
- ✓ Inverter running with battery & without battery
- ✓ 1 button restore setting options in program
- ✓ Overload, Short Circuit & Deep Discharge Protection
- ✓ Cold Start Function
- ✓ Adaptable to main Voltage / Generator power
- ✓ Conformal coating to prevent from dust and humidity
- ✓ Support RS485, CAN Monitoring Function
- ✓ New Color Screen LCD function design with touch buttons
- ✓ Built-in anti dust for harsh environment
- ✓ Compatible with all kinds of Lithium Batteries
- ✓ Wi-Fi Monitoring (Optional)
- ✓ Battery charging current upto 160A (AC+ Solar)
- ✓ MPPT Based Solar Charge Controller (100A)
- ✓ High PV input voltage range (60-450VDC)
- ✓ Smart Dual Two output for normal and heavy load
- ✓ Maximum input current 18A/28A




(Wi-Fi DEVICE OPTIONAL)


Please download the software "SolarPowerMonitor2.2.81"  
Download link: <https://bit.ly/2PyLg6>

MODEL	DUAL - PV2500	DUAL - PV5000	DUAL - PV7000
Rated Power	1600W	3500W	5500W
<b>AC INPUT</b>	230 VAC		
Voltage	170~280 VAC (For Personal Computer)		
Selectable Voltage Range	90~280VAC (For Home Appliances)		
Frequency Range	50 HZ / 60 HZ (Auto Sensing)		
<b>AC OUTPUT</b>	230 VAC + 5%		
Surge Power	3000 VA	6000 VA	10000 VA
Efficiency (Peak) PV to INV	97%		
Efficiency (Peak) Battery to Inv	94%		
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)		
<b>BATTERY &amp; AC CHARGER</b>			
Battery Voltage	12 VDC	24 VDC	48 VDC
Floating Charge Voltage	13.7 VDC	27 VDC	54.8 VDC
Overcharge Protection	14 VDC	30 VDC	60 VDC
Maximum AC Charge Current	60A		
<b>SOLAR CHARGER</b>			
Maximum PV Array Power	2500W	5000W	7000W
MPPT Range @ Operating Voltage	30-320 VDC	30-320 VDC	60-360 VDC
Maximum PV Array Open Circuit Voltage	400 VDC	400 VDC	450 VDC
Maximum Charge Current	TRUE (MPPT) 100A		
Maximum PV Input Current	18A	18A	28A
Maximum Efficiency	98%		
<b>PHYSICAL</b>			
Communication Interface	RS485/CAN		
<b>OPERATING ENVIRONMENT</b>			
Humidity	5% to 95% Relative Humidity (Non~Condensing)		
Operating Temperature	0°C~50°C		
Storage Temperature	-15°C~-60°C		


Note: Product specifications are subject to change without further notice




**100%**  
PURE SINE WAVE  
SOLAR INVERTER




**POWER  
FACTOR 1.0**




**OVERLOAD & SHORT  
CIRCUIT PROTECTION**




**SMART DUAL  
OUTPUT**




**18/28  
AMPERE**  
MAX INPUT  
CURRENT




**BATTERY CURRENT  
160A (AC+SOLAR)**




**ADAPTABLE TO MAIN  
VOLTAGE & GENERATOR**




**WORK WITH AND  
WITHOUT BATTERY**




**WI-FI  
OPTIONAL**




**1 BUTTON  
RESTORE SETTING**



**COLD START  
FUNCTION**



**PREVENT FROM DUST  
AND HUMIDITY**



**RS485  
CAN**

### Certification

