

Max Pro HYBRID SOLAR INVERTER

4000 W – 6000 W and 11000W



Key Features

- ✓ Pure sine wave AC output
- ✓ Auto restart while AC is recovering
- ✓ Overload / Over temperature / short circuit protection
- ✓ Smart battery charger design for optimized battery Performance
- ✓ Cold start function
- ✓ Removable LCD control module
- ✓ Dual Output
- ✓ Wide PV input voltage range(90V-450Vdc)
- ✓ Built-in 120A MPPT solar charge
- ✓ Built-in WiFi for mobile monitoring (Requires App), OTG USB function.
- ✓ Multiple communication ports for BMS (RS485, CAN-BUS, RS232)



High Efficiency



Work Without Battery



BMS Communication Port



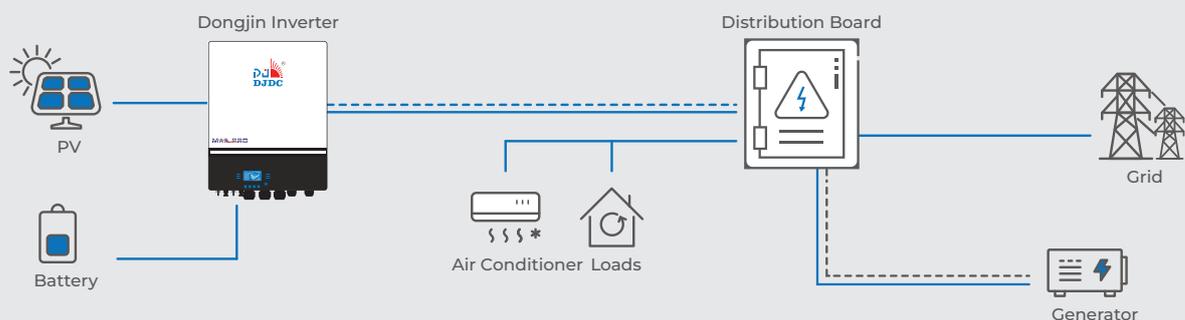
Dust Protection



Pure Sine Wave



Wifi Connection Port



DATASHEET
Max Pro Series

Model	Max Pro 4kW	Max Pro 6kW	Max Pro 11kW
Rated Power	4 kW	6 kW	11 kW
Parallel Capability	-		Yes, 6 units
INPUT			
Voltage	230 Vac		
Selectable Voltage Range	170 – 280 Vac (UPS) 90 – 280 Vac (Appliances)		
Frequency Range	50 Hz / 60 Hz (Auto sensing)		
OUTPUT			
AC Voltage Regulation (Battery Mode)	230 Vac ± 10 %		
Efficiency (Peak) PV To INV	93 %		
Transfer Time	10 ms (Typical UPS) 20ms (Appliances)		
Wave Form	Pure Sine Wave		
Surge Power	8000VA	12000VA	22000VA
BATTERY & AC CHARGER			
Battery Voltage	24 Vdc	48 Vdc	
Floating Charge Voltage	27 Vdc	54 Vdc	
Overcharge Protection	33 Vdc	63 Vdc	
Maximum Charge Current	120A		150A
SOLAR CHARGER			
Max. PV Array Power	5000W	6000W	11000W (5500W x2)
MPPT Range@ Operating Voltage	60 – 450 Vdc		90 – 450 Vdc
Maximum PV Input Current	27A		27 A x 2 (Max. 40A)
Maximum PV Charging Current	120A		150A
Maximum PV Array Open Circuit Voltage	500 Vdc		
Maximum Efficiency	98 %		
PHYSICAL			
Dimensions LxWxH (mm)	435x300x115		554x432.5x147.5
Net Weight (kg)	10	11	20
Ingress Protection	IP21		
Communication Interface	BMS (RS485, CAN-BUS, RS232) WiFi (Build-in)		
OPERATING ENVIRONMENT			
Humidity	5 % to 95 % Relative Humidity (Non-condensing)		
Operating Temperature	-10 °C to 55 °C		
Storage Temperature	-15 °C to 60 °C		