



PV INVERTER

Three-Phase / M30A_230

Features

- Natural cooling design
- Toggle latch design and fast installation design
- Wi-Fi communication and APP quick commission
- Fuseless design
- 3 MPP Trackers
- IV curve scanning, night time reactive power and anti-PID function
- IP66 and lightweight
- Built in DC switch, SPD and string monitoring function

www.deltaww.com

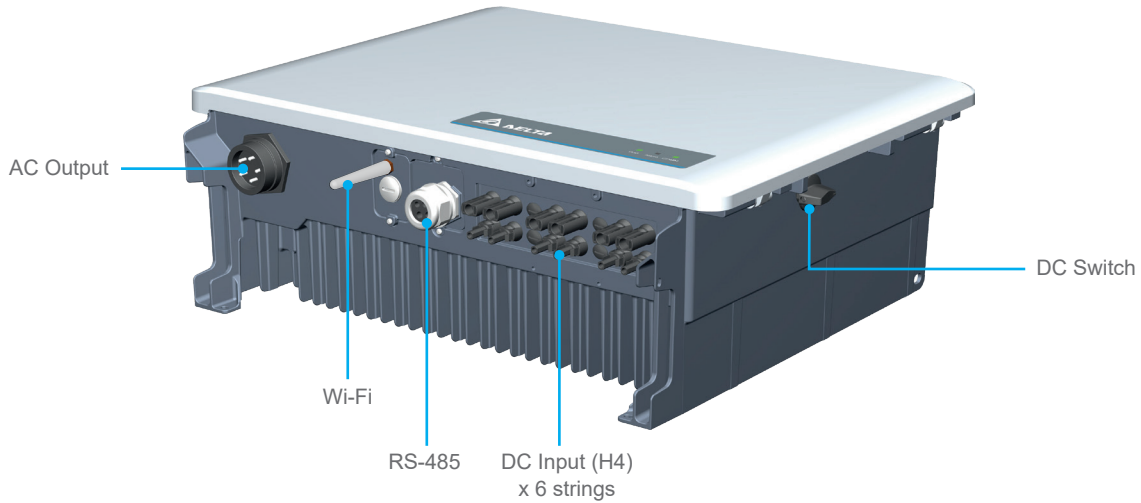


Product Overview

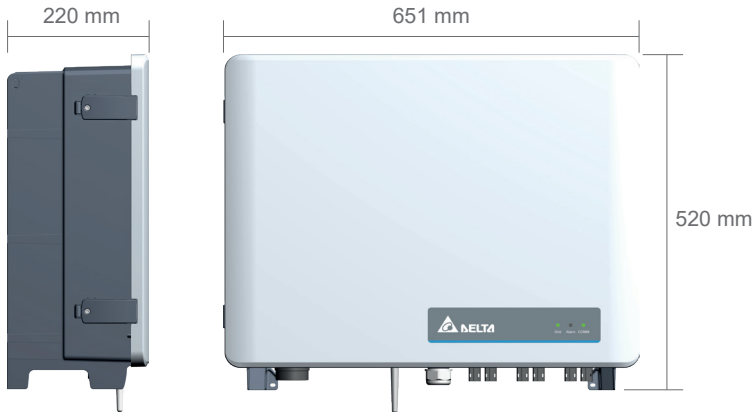
Delta M30A_230 is able to reach 98.6% peak efficiency, 98.2% Euro-efficiency over converting PV energy. 3 sets of MPP allows more flexibility when PV arrays are facing different directions while minimizing energy losses and maximizing higher yields.



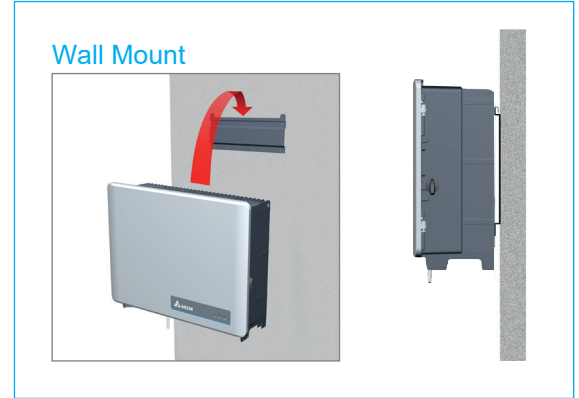
Form Factor



Dimensions

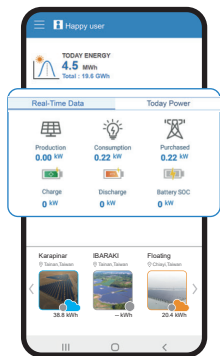


Installation Guide

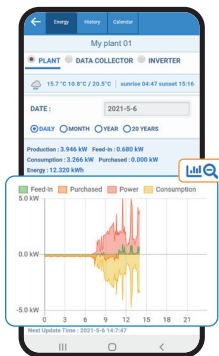


APP & Cloud

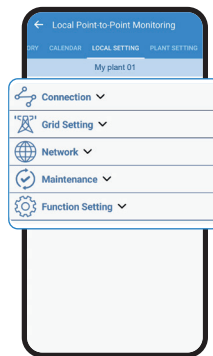
Only need one Wi-fi router to enjoy Delta cloud service.



Real-Time Data



Data Curve



Function Setting



MyDeltaSolar Cloud



Fast Installation

Delta M30A_230 with the H4 fast connects which allows easy plug in during installation. The toggle latch design saves considerable time for maintenance and minimizes the risk of water intrusion.



Specifications

Model Number	M30A_230				
DC Input					
Max. Input Voltage	1000 V				
Operating Voltage Range	200 - 1000 V				
MPP Voltage Range (Full Power) ¹⁾	480 - 900 V				
Start Voltage	> 250 V				
Nominal DC Voltage	600 V				
Max. Input Current	30 A / MPPT				
Max. Input Power	20.4 kW / MPPT				
Max. Allowable Array Isc	50 A / MPPT				
MPP Tracker	3				
Connection Type	2 pairs / MPPT, Amphenol H4 DC Connector				
DC Switch	Built-in				
Surge Protection	Type II SPD				
AC Output					
Rated / Max. Apparent power	30 kVA				
Rated Output Power	30 kW				
Max. Output Current	50 A				
Output Power	30 kW @ 40°C				
Nominal AC Voltage	230 / 400V, 3Ø3W or 3Ø4W				
Operating Voltage Range	80% to 130% of Nominal AC Voltage				
Operating Frequency Range	50 / 60 Hz ± 5 Hz				
Power Factor (Adjustable)	0.8 lead - 0.8 lag				
Surge Protection	Type II SPD				
T.H.D	< 3%				
AC Connection Type	Plug Type, Cable Size 16 - 25 mm ²				
Night Time Consumption ²⁾	< 2 W				
Efficiency					
Peak Efficiency	98.6%				
Euro Efficiency	98.2%				
Information					
Communication Port	RS-485 / Wi-Fi				
Display	LED (Grid, Alarm, Comm.)				
Certification					
	IEC 62109-1/-2	CNS 15382	VDE-AR-N 4105	EN/IEC 61000-6-1/-2	AS4777.2 : 2020
	IEC 62920	CNS 15426-1/-2	VDE-AR-N 4110	EN/IEC 61000-6-3/-4	
General Data					
Protection	Arc fault detection, DC reverse polarity detection, Leakage current protection, Insulation resistance detection				
Features	Night time Anti-PID, String current monitoring, IV curve scanning, Night time reactive power				
Operating Temp. Range	-25 to +60°C (derating > 40°C)				
Protection Level	IP66				
Operating Elevation	< 4000 m				
Cooling	Natural Cooling				
Noise	45.9 dBA @1m, Amb25°C				
Dimension (W x H x D)	651 x 520 x 220 mm				
Weight	42 kg				
Country of Manufacture	China				

1) 30 kW

2) Night time consumption with standby communication

*All specifications are subject to change without prior notice



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