



## PV INVERTER

### Three-Phase / M30A\_230

#### Features

- Natural cooling design
- Toggle latch design and fast installation design
- Wireless (SUB\_1G / 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](http://www.deltaww.com)

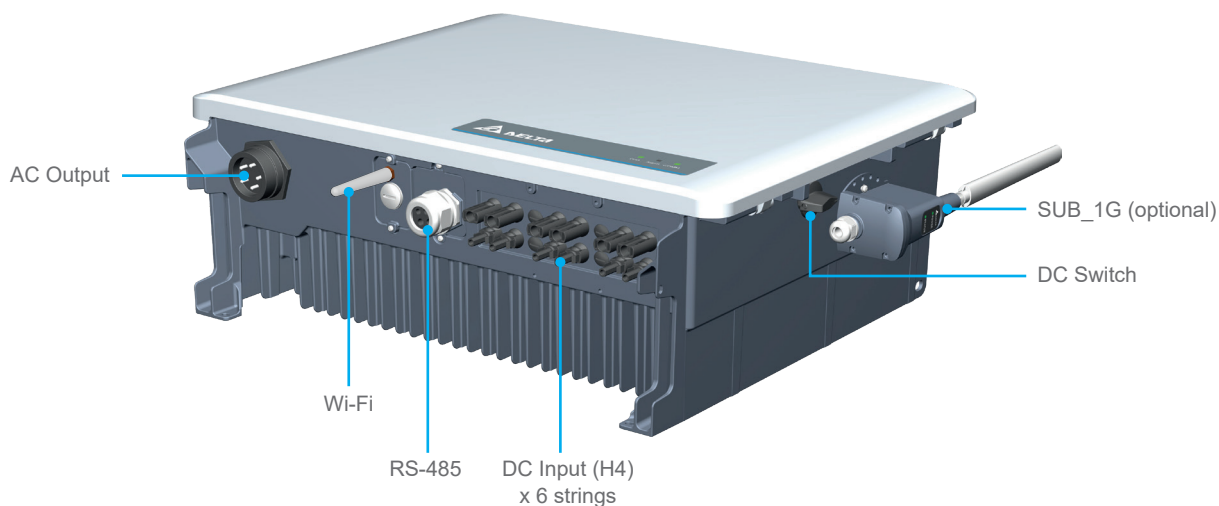


## Product Overview

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.



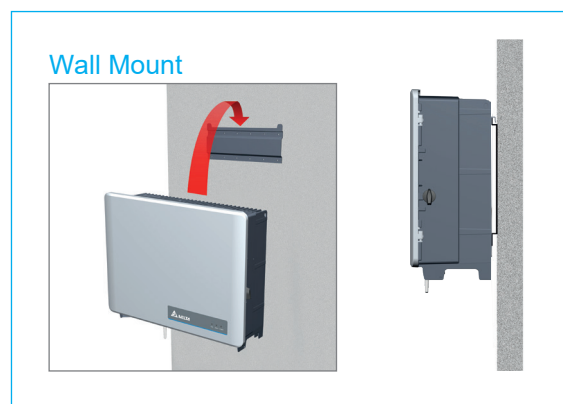
## Form Factor



## Dimensions



## Installation Guide



## APP & Cloud

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

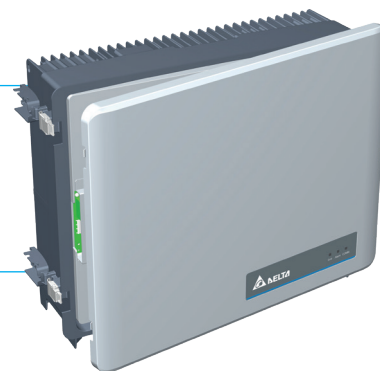


### MyDeltaSolar Cloud



## 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	1100 V			
Operating Voltage Range	200 - 1000 V			
MPP Voltage Range (Full Power) <sup>1)</sup>	480 - 900 V			
Start Voltage	> 250 V			
Nominal DC Voltage	600 V			
Max Input Current	Each MPPT: 30 A, Total: 72 A			
MPP Tracker	3			
Connection Type	2 pairs / MPPT, Amphenol H4 DC Connector			
DC Switch	Built-in			
Surge Protection	Type II SPD			
AC Output				
Max. Output Power	33 kVA			
Max. Output Current	50 A			
Output Power	30 kW @ 40°C ; 33 kW @ 35°C			
Nominal AC Voltage	3Ph 230 / 400V Y or Δ			
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 mm²			
Night Time Consumption <sup>2)</sup>	< 2 W			
Efficiency				
Peak Efficiency	98.6%			
Euro Efficiency	98.2%			
Information				
Communication Port	RS-485 / Wi-Fi (optional: SUB_1G)			
Dispaly	LED (Grid, Alarm, Comm.)			
Certification				
	IEC 62109-1/-2 IEC 62920	CNS 15382 CNS 15426-1/-2	VDE-AR-N 4105 VDE-AR-N 4110	EN/IEC 61000-6-1/-2 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			

1) 30 kW

2) Night time consumption with standby communication

\*All specifications are subject to change without prior notice



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