



## PV INVERTER

### Three-Phase / M15A\_220

#### Features

- Natural cooling design
- Toggle latch design and fast installation design
- Wireless communication ,APP quick commission and monitoring
- Fuseless design
- 2 MPP Trackers
- Night time reactive power
- IP66 and lightweight
- Built in DC switch, SPD and string monitoring function

[www.deltaww.com](http://www.deltaww.com)

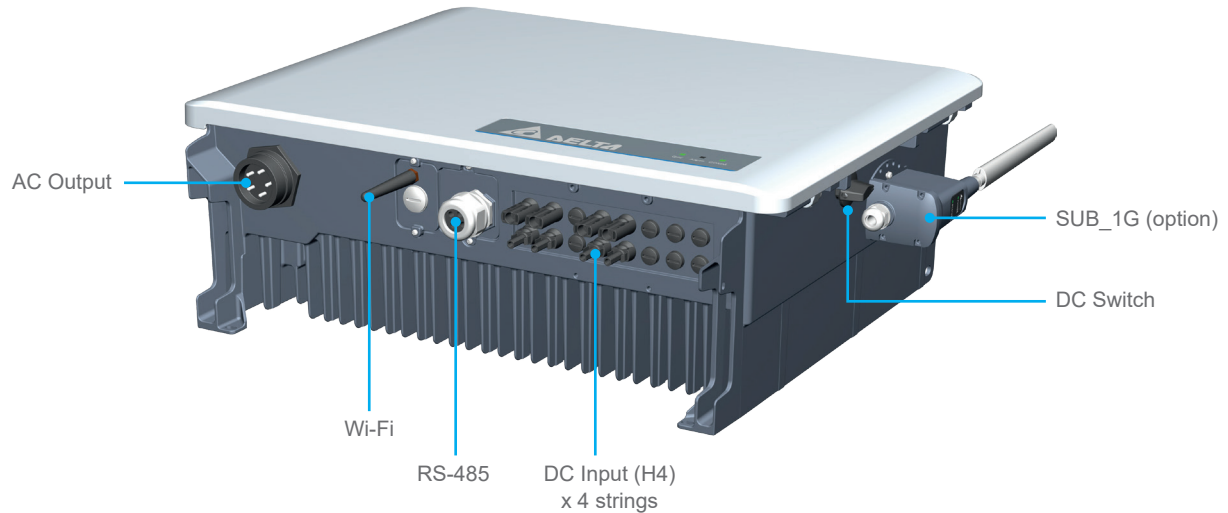


## Product Overview

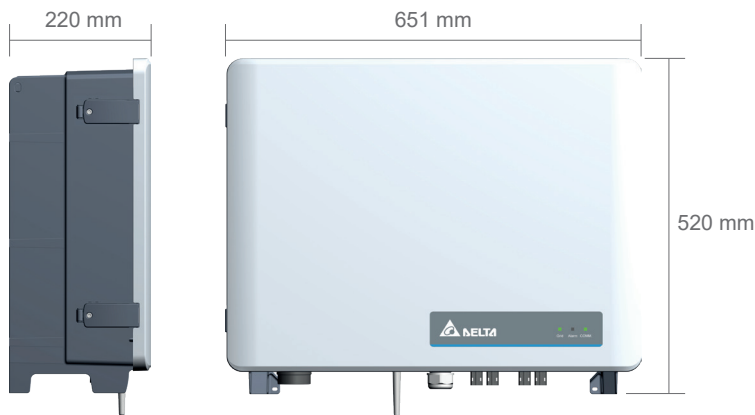
Delta M15A\_220 is able to reach 98.3% peak efficiency, 97.9% Euro-efficiency over converting PV energy. 2 sets of MPP allows more flexibility when PV arrays are facing different directions while minimizing energy losses and maximizing higher yields.



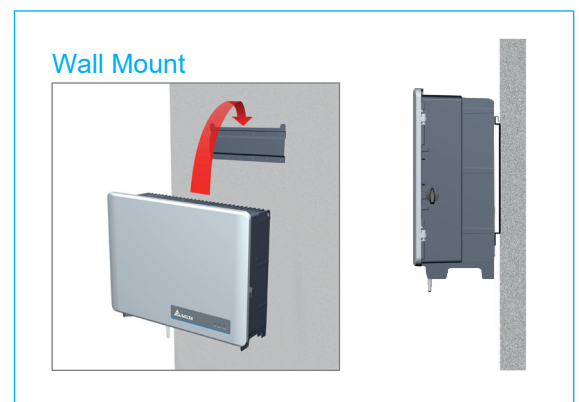
## Form Factor



## Dimensions



## Installation Guide



## APP & Cloud

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

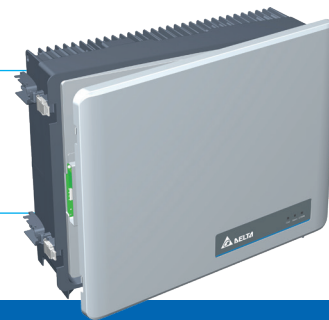


## MyDeltaSolar Cloud



## Fast Installation

Delta M15A\_220 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	M15A_220			
DC Input				
Max. Input Voltage	1000 V			
Operating Voltage Range	200 - 1000 V			
MPP Voltage Range (Full Power) <sup>1)</sup>	380 - 900 V			
Start Voltage	> 250 V			
Nominal DC Voltage	600 V			
Max. Input Current	Each MPPT: 25 A, Total: 45 A			
Max. Input Power	9.85 kW / MPPT			
Max. Allowable Array Isc	50 A / MPPT			
MPP Tracker	2			
Connection Type	4 strings (2 pairs / MPPT), Amphenol H4 DC Connector			
DC Switch	Built-in			
Surge Protection	Type II SPD			
AC Output				
Rated / Max. Apparent power	15 kVA			
Rated Output Power	15 kW			
Max. Output Current	25 A			
AC Output Power	15 kW @40°C			
Nominal AC Voltage	3 Ph 220 / 380, 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 8 - 14 mm²			
Night Time Consumption <sup>2)</sup>	< 2 W			
Efficiency				
Peak Efficiency	98.4%			
Euro Efficiency	97.9%			
Information				
Communication Port	RS-485 / Wi-Fi (optional: SUB_1G)			
Display	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	31.6 dBA @1m, Amb25°C			
Dimension (W x H x D)	651 x 520 x 220 mm			
Weight	40.5 kg			
Country of Manufacture	China			

1) 15 kW

2) Night time consumption with standby communication

\*All specifications are subject to change without prior notice



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