

PV INVERTER

Commercial Series / M88H

Features

- 2 stages inverter with wide input operation range from 200 to 1000 Vdc
- Built-in Active DC relay for Safety
- 2 MPP trackers
- Wall mounted installation
- Outdoor application with IP65
- Excellent performance, max. efficiency 98.8%
- Built-in DC switch
- String monitoring
- Night time anti-PID function

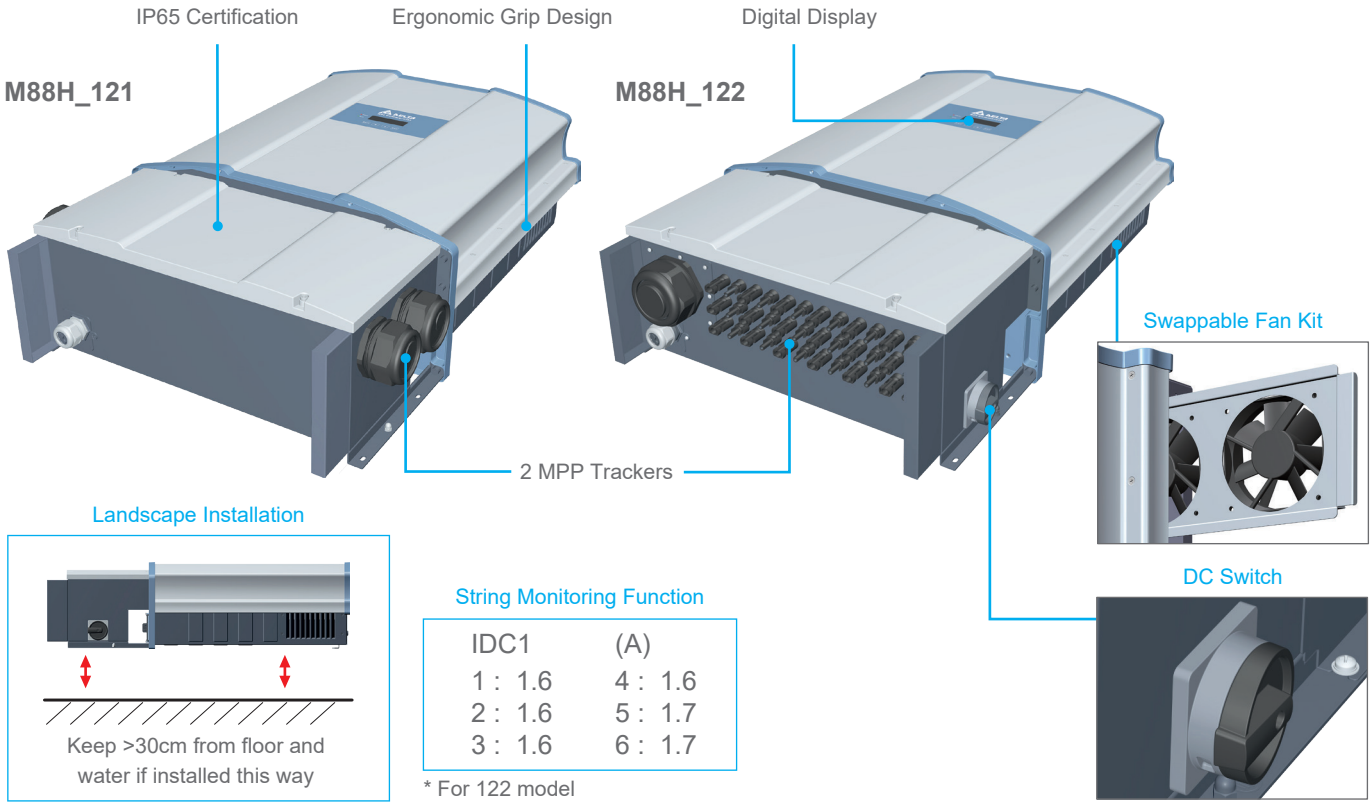
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Product Overview



The M88H Inverter has a peak efficiency of 98.8% and has built-in and replaceable AC and DC-side Type II SPDs (surge protection devices). Maximum apparent power 73 kVA / 88 kVA (400 VAC / 480 VAC), suitable for 400V or 480V AC Grid voltage, Al or Cu cables and 18 x MC4 connector pairs (CF) with string monitoring or DC screw terminals (ST). 2 MPP trackers and a high maximum input voltage up to 1100V allow for extra flexibility in system design.

Form Factor



Landscape Installation

Keep >30cm from floor and water if installed this way

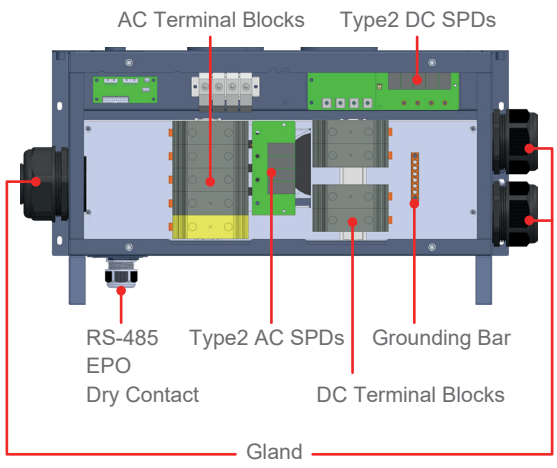
String Monitoring Function

IDC1	(A)
1 : 1.6	4 : 1.6
2 : 1.6	5 : 1.7
3 : 1.6	6 : 1.7

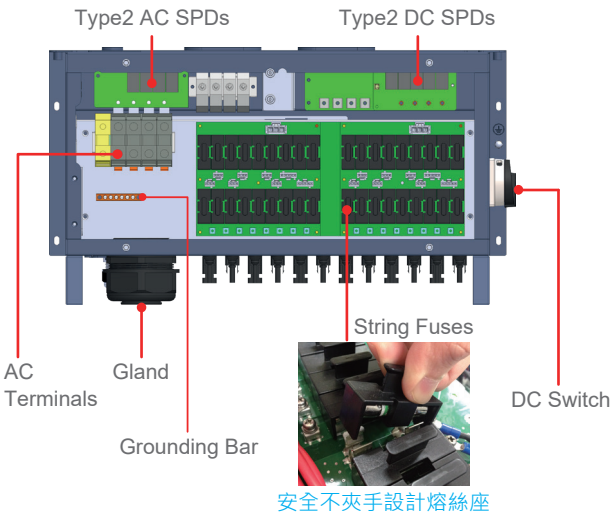
* For 122 model

Wiring Box Configurations

M88H_121 screw terminal



M88H_122 connectors & fuses



Specifications

Model Number	M88H_121	M88H_122
DC Input		
Max. Input Voltage	1100 V	
Operating Voltage Range	200 - 1000 V	
Start Voltage	> 250 V	
MPP Voltage, Rated Power	Vac 400V : 500 - 800 V / Vac 480V : 600 - 800 V	
Rated Voltage	Vac 400V : 600 V / Vac 480V : 710 V	
MPP Tracker	2	
Max. Input Current / Each MPPT	140 / 70 A	
Connection Type	2-250kcmil terminal block for 2 MPPTs	18 pairs of MC4 connector
Type II SPD	●	●
15A String Fuses (16A optional)	-	●
DC Switch	-	●
String Monitoring	-	●
Night time anti-PID	●	●
AC Output		
Max Output Power	Vac 400: 73 kW / Vac 480: 88 kW	
Rated Output Power	Vac 400: 66 kW / Vac 480: 80 kW	
Max. Output Current	106 A	
Rated Output Current	96 A	
Rated Voltage	3 Ph 400V & 480V Δ / Y	
Operating Voltage Range	Vac 400V: ±30% / Vac 480V: ±20%	
Operating Frequency Range	50/60Hz ±5Hz	
Power Factor (adjustable)	0.8 ind - 0.8 cap	
Surge Protection	Type II SPD	
T.H.D	< 3%	
Connection Type	50 -120 mm^2	35 - 95 mm^2
Night Time Consumption	< 3W	
Efficiency		
Peak Efficiency	98.8%	
Euro Efficiency	98.5%	
Information		
Communication Port	RS-485	
Display	20 x 4 LCD	
Regulation		
	VDE-AR-N 4105 VDE0126-1-1 BDEW EN 61000-6-1 EN 61000-6-4	NB/T 32004: 2013 GB/T 19964: LVRT IEC 62109-1/-2 EN 61000-6-2
	UTE C15-712 UK G59/3 CE compliance EN 61000-6-3	
General Data		
Operating Temp. Range	-25 to +60°C	
Protection Level	IP65	
Operating Elevation	< 3000m	
Cooling	Forced air cooling plus Smart Fan control	
Noise	74.5 dBA @1m, Amb25°C	
Dimension (W x H x D)	615 x 965 x 275 mm	
Weight	84 kg	

*All specifications are subject to change without prior notice.



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2020 / 03 / 12