



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

IP65 Certification

M88H_121

Ergonomic Grip Design

Digital Display

2 MPP Trackers

Swappable Fan Kit

Landscape Installation

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

String Monitoring Function

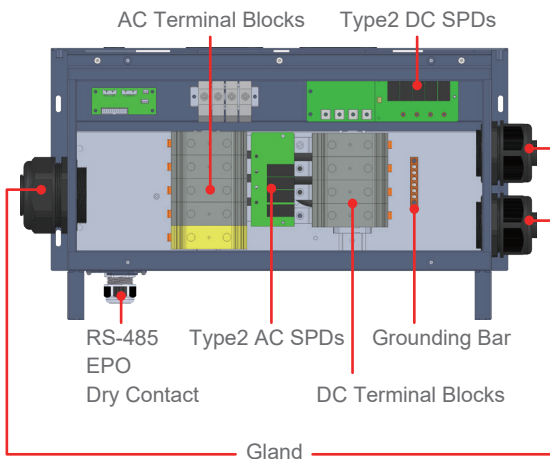
IDC1	(A)
1 : 1.6	4 : 1.6
2 : 1.6	5 : 1.7
3 : 1.6	6 : 1.7

* For 122 model

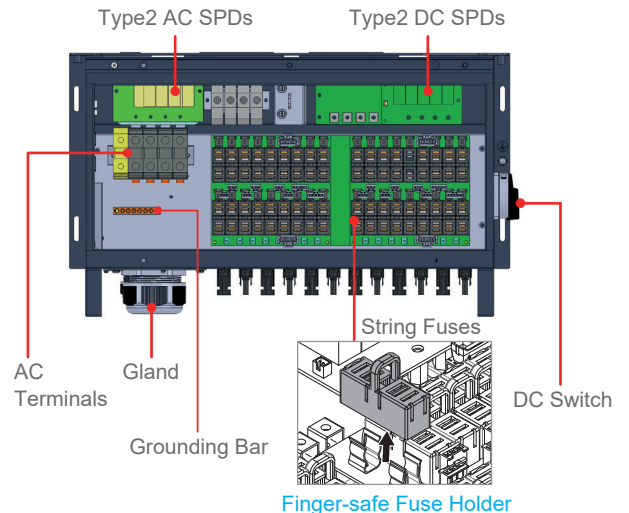
DC Switch

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	50 -120 mm ² 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 986 x 275 mm		
Weight	86 kg		

*All specifications are subject to change without prior notice.



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