



PV INVERTER

Commercial Series / M125HV

Features

- High DC input voltage up to 1500 Vdc
- Excellent efficiency performance, 99.2% peak & 99.0% CEC
- Integral AC & DC switch, type 2 SPD and 20 string fuses
- Electrolytic capacitor free, more than 20 years life
- NEMA 4X protection level
- Integral DC Arc fault detector
- String monitoring
- Operating temp. range -22°~140°F

www.deltaww.com

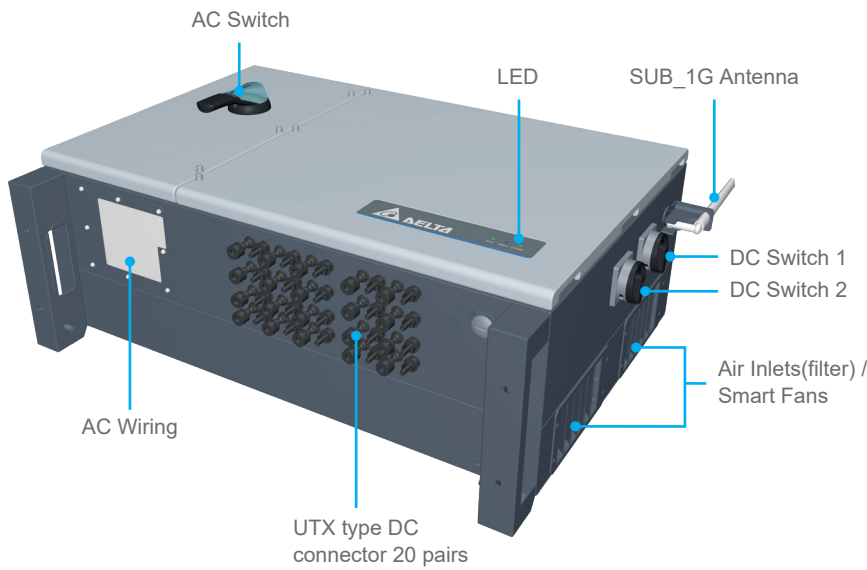


Product Overview

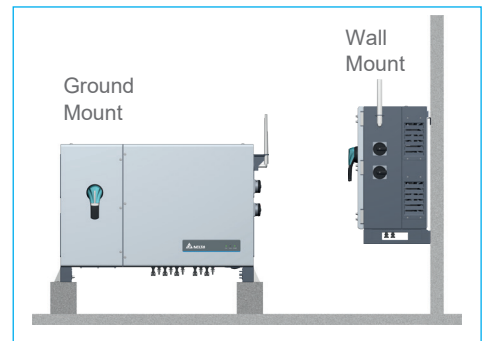
Delta M125HV has excellent power efficiency to reach 99.2% peak and 99.0% CEC over converting PV energy. It features all-in-one design to integrate string fuses, surge protection devices and DC switch in one unit body. Thanks for electrolytic capacitor free design and NEMA 4X protection, the M125HV is the most reliable and durable inverter than ever.



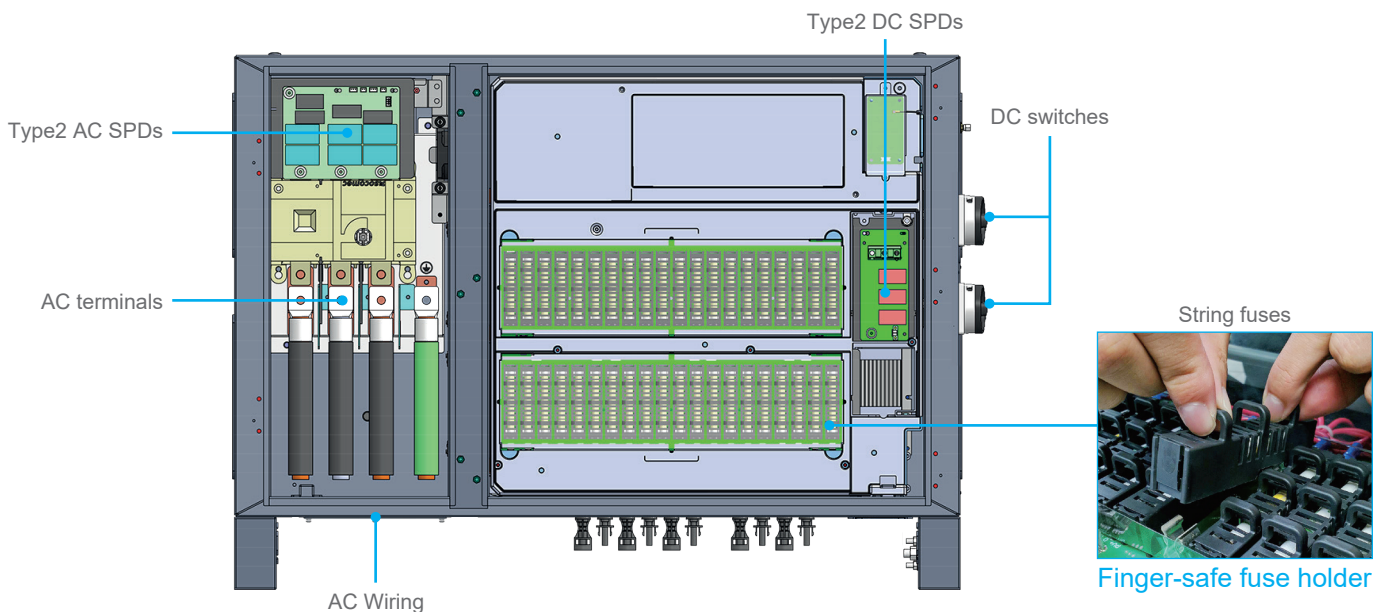
Form Factor



Landscape installation



Wiring Box Configurations



Specifications

Model Number	M125HV
DC Input	
Occasionally Max. Voltage	1500 V
Operating Voltage Range	860 - 1500 V
MPP Voltage Range	860 - 1450 V ¹⁾
Rated Voltage	1050 V
MPP Tracker	1
Max. Operating Current	150 A
Max. Allowable Array Isc	320 A
String Fuse Provisioned	20 A / 1500 V PV fuses
Connection	20 pairs of UTX connectors
Surge Protection	Type 2 SPD
DC Switch	Yes
String Current Monitoring	Yes
AC Output	
Rated Output Power	125 kW ²⁾
Max. Apparent Power	140 kVA ³⁾
Max. Output Current	135 A
Grid Configuration	3P / PE
Operating Voltage Range	Vac 600V : -36% to +15%
Operating Frequency Range	50 / 60Hz ± 5Hz
Power Factor	0.8 ind - 0.8 cap adjustable (1 - 0.9 at maximum power)
Surge Protection	Type 2 SPD
Ground Fault Protection	Yes
THD	< 3%
Connection	Ring terminal lug with Terminal busbar (Max. 150mm ² Cu or Al wire)
Night Time Consumption ⁴⁾	< 3.5W
Efficiency	
Peak Efficiency	99.2%
CEC Efficiency	99.0%
Information	
Communication Port	RS-485 (Delta / Sunspec)
Display	LED (Grid, Alarm, COMM.)
Regulation	
	UL 1741 SA, UL1741, UL1998, UL 1699B IEEE1547, IEEE1547.1, CSA C22.2
General Data	
Smart Inverter Functionality	Voltage / Frequency Ride through, Volt / Var, Volt / Watt, Power curtailment, Frequency / Watt
Operating Temp Range	-22°~140°F, >122°F de-rating
Protection level	NEMA 4X
Operating Elevation	<9800 ft, Outdoor, wet locations
Cooling	Forced air cooling with Smart fan control
Dimension (W x H x D)	35.4 x 26.1 x 14.5 in
Weight	176 lb

1) Ambient < 32°F : 860 - 1450V
 Ambient < 77°F : 860 - 1350V
 Ambient < 104°F : 860 - 1250V

2) @TAMB ≤ 122°F, VIN ≤ 1050VDC

3) @TAMB ≤ 104°F, VIN ≤ 1050VDC

4) Night time consumption with standby communication

*All specifications are subject to change without prior notice



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