



DELTA PV INVERTER

Commercial Series / M250HV

Features

- High voltage up to 1500 Vdc & 800 Vac
- Excellent efficiency performance, 99.0 % peak & 98.8 % Euro Efficiency
- IP66 protection level
- Independent AC wiring box, fast & safe installation design
- SUB_1G communication and APP quick commission
- Fuseless design
- 12 MPP Trackers, ultra-wide MPPT voltage range
- Night time reactive power
- Built in DC switches, type II SPD and string monitoring function
- Smart cooling system

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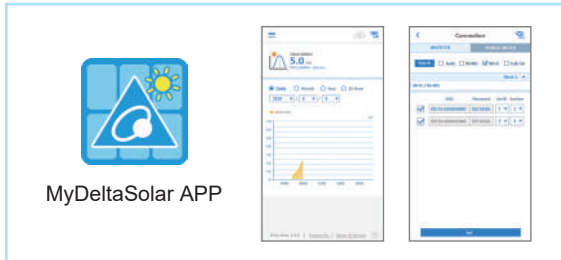
Product Overview

- Delta M250HV is able to reach 99.0% peak efficiency, 98.8% Euro Efficiency over converting PV energy.
- 12 MPPT design with ultra-wide MPP voltage range (820~1350V) can maximize customer's revenue.

Feature Highlights

Wireless Communication (SUB_1G/Wi-Fi) APP

MyDeltaSolar APP provides quick on-site commission and total plant monitoring solution.



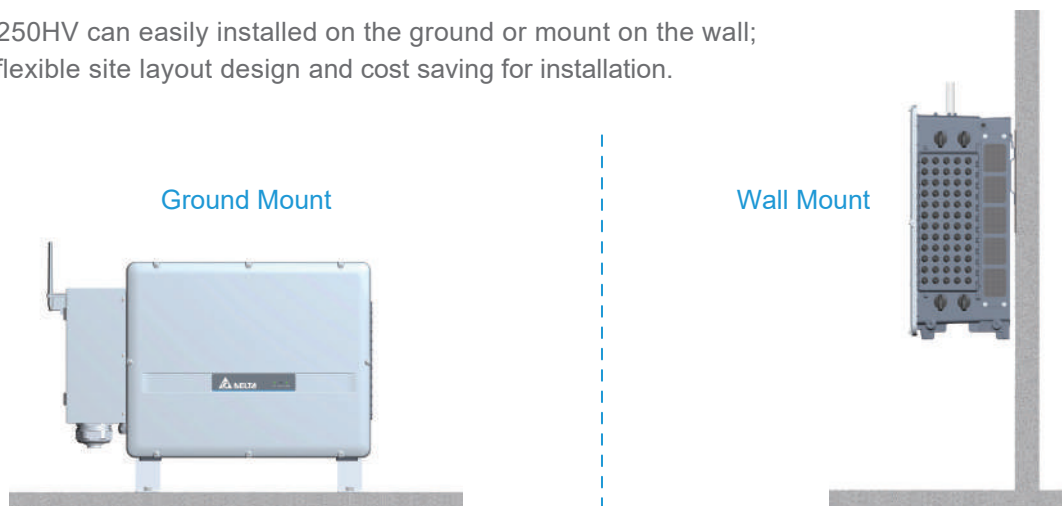
Swappable Fan Kit

Smart cooling system enhance the total plant performance and minimizing the noise.



Fast Installation

The M250HV can easily installed on the ground or mount on the wall; offers flexible site layout design and cost saving for installation.



Specifications

Model Number	M250HV			
DC Input				
Max. DC Voltage	1500 V			
Operating Voltage Range	500 - 1500 V			
MPP Voltage Range	820 - 1350 V *1			
Nominal DC Voltage	1150 V			
MPP Tracker	12			
Max. Input Current	Each MPPT: 26 A, Total: 312 A			
Max. Allowable Array Isc	40 A per MPPT			
DC Connection Type	30 pairs of H4 series connectors*2 (MPPT 1~3/10~12: 2 pairs ; MPPT 4~6/7~9: 3 pairs)			
String fuse	Need external fuse if using 3 pairs / MPPT			
Surge Protection	Type II SPD			
DC Switch	Yes			
AC Output				
Max. Output Power	250 kVA			
Max. Output Current	180.5 A			
Output Power	250 kW @ 50°C *1			
Nominal AC Voltage	AC 800 V, 3Ø3W			
AC Voltage Range	640 - 920 V			
Operating Frequency Range	50 / 60 ±5Hz			
Power Factor	0.8 lead - 0.8 lag			
Night Time Reactive Power	150 kVAR			
Surge Protection	Type II SPD			
T.H.D	< 3 % *3			
AC Connection Type	Screw Type Terminal			
Night Time Consumption	< 6 W			
Efficiency				
Peak Efficiency	99.0 %			
Euro Efficiency	98.8 %			
Communication				
Communication Port	RS-485 (optional: SUB_1G / Wi-Fi)			
Indicator	LED (Grid, Alarm, COMM.)			
Certificate				
Grid Support	Enedis-PRO-RES_64E UTE C 15-712-1 VDE AR-N 4110	TRF_EN50549-2_2019a EN 61000-6-2 EN 61000-6-3	IEC 62109-1/-2 IEC 61439-2 IEC 61727	IEC 62116 IEC 62910 IEC 62109
General Information				
Protection	Arc fault detection, DC reverse polarity detection, leakage current protection, Insulation resistance detection			
Features	Pro-EL mode, Night time Anti-PID, String current monitoring, IV curve scanning, Night time reactive power			
Operating temp. range	-30 ~ 60 °C, > 50°C smart de-rating			
Protection level	IP66			
Operating elevation	< 4000 m			
Cooling Method	Forced air cooling with Smart fan control			
Noise	71.5 dBA @1m, Amb.25°C			
Dimension (W x H x D)	993 x 644 x 284 mm			
Weight	101 kg +/- 2 kg			

*1 Ambient < 35°C: 820 - 1350V ; Ambient < 40°C: 1000 - 1350V ; Ambient < 50°C: 1200 - 1250V

*2 Accessories H4 Plus for field wiring, suitable size : 4 / 6 / 10(optional) mm² copper conductor

*3 Rated power

- Specifications are subject to change without prior notice -



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