



## PV INVERTER

Commercial Series / M50A\_260

### Features

- Toggle latch and fast installation design reduce installation efforts
- SUB\_1G and Wi-Fi for quick commission via APP
- Fuseless design
- 6 MPP Trackers
- IV curve scanning night time reactive power and anti-PID function
- IP66 and lightweight design
- Built-in DC switches, SPD and string monitoring
- Smart cooling system

# Product Overview

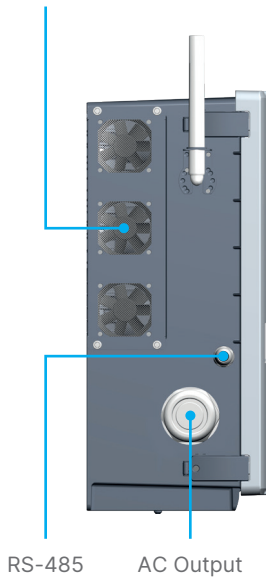
Delta M50A\_260 is able to reach 98.7% peak efficiency, 98.3% Euro-efficiency over converting PV energy. 6 sets of MPPT allows more flexibility when PV arrays are facing different directions while minimizing energy losses and maximizing higher yields.



## Feature Highlights

### Swappable Fan Kit

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



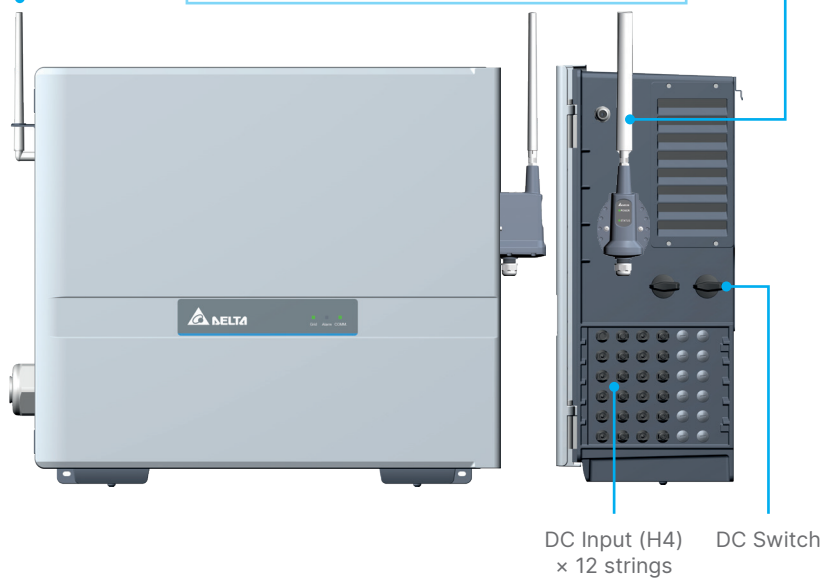
### Wireless Communication (SUB\_1G/Wi-Fi) APP

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



SUB\_1G (optional)

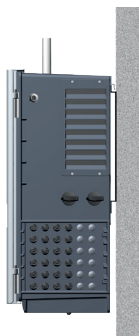
Wi-Fi (optional)



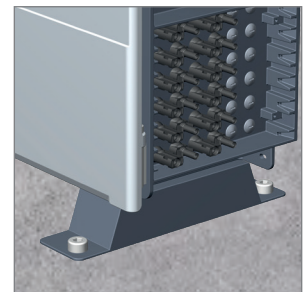
## Fast Installation

The M50A\_260 supports wall mount installation and ground mount installation, which can shorten installation times and save on the cost for additional racks.

### Wall Mount



### Ground Mount



## Toggle Latch Design

The toggle latch design saves considerable time for maintenance and minimizes the risk of water intrusion.



# Specifications

<b>Model Number</b>	<b>M50A_260</b>
<b>DC Input</b>	
Max. Input Voltage	1100 V
Operating Voltage Range	200 - 1000 V
Mpp Voltage Range (Full Power)	390 - 900 V <sup>1)</sup>
Start Voltage	> 250 V
Nominal DC Voltage	600 V
Max. Input Current	Each MPPT: 26 A, Total: 132 A
MPP Tracker	6
Connection Type	2 / MPPT (fuse not required), Amphenol H4 DC Connector
DC Switch	Built-in
Surge Protection	Type II SPD (built-in); Type I+II SPD (optional)
<b>AC Output</b>	
Max. Output Power	55 kVA <sup>2)</sup>
Max. Output Current	83 A
AC Output Power	50 kW
Nominal AC Voltage	3Ph 230 / 400V Y or Δ
Operating Voltage Range	80% to 130% of Nominal AC Voltage
Operating Frequency Range	50 / 60Hz ± 5Hz
Power Factor (Adjustable)	0.8 ind - 0.8 cap
Protection	Type II SPD (built-in); Type I+II SPD (optional)
T.H.D	< 3%
Night Time Consumption <sup>3)</sup>	< 3.5 W
<b>Efficiency</b>	
Peak Efficiency	98.7%
Euro Efficiency	98.3%
<b>Information</b>	
Communication Port	RS-485 (built-in); SUB_1G, Wi-Fi (optional)
Display	LED (Grid, Alarm, COMM.)
<b>Certification</b>	
	IEC 62109-1/-2 EN 61000-6-3 VDE 0124-100 NB/T 32004: 2018 GB/T 19964: LVRT EN 61000-6-2 VDE-AR-N 4105 VDE-AR-N 4110 CNS 15382
<b>General Data</b>	
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 Above 50°C)
Protection Level	IP66
Operating Elevation	< 4000 m
Cooling	Smart fan air cooling
Noise	65 dBA @1m, Amb25°C
Dimension (W × H × D)	699 × 629 × 264 mm
Weight	64 kg

1) Ambient < 40°C: 390 - 900V; Ambient < 50°C: 390 - 850V

2) Ambient < 40°C; Vdc: 505 - 800V

3) Night time consumption with standby communication

\*All specifications are subject to change without prior notice



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