



PV INVERTER

Three-Phase / M70A_260

Features

- 6 MPP trackers maximize yield and profitability
- Toggle latch and fast installation design reduce installation efforts
- SUB_1G and Wi-Fi for quick commission via APP
- Fuseless design
- Built-in DC switches, SPD and string monitoring
- IV curve scanning, Night time reactive power and anti-PID function
- IP65 and lightweight design



Rooftop



Ground Mounted



Product Overview

Delta's M70A_260 three-phase PV inverter features 98.8% peak efficiency and 6 sets of MPP trackers. It provides more flexibility for PV arrays facing different directions and minimizes power losses.

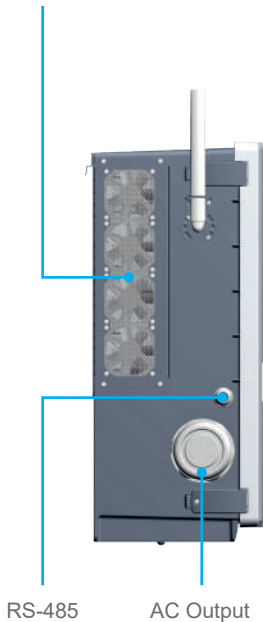
Besides, M70A_260 supports SUB_1G which can realize wireless communication in solar plant and make construction and maintenance easier. The toggle latch, ground mount design, and plant-level commission tools ensure quick and simple installation while optimizing the operation efficiency.



Feature Highlights

Swappable Fan Kit

Smart cooling system enhances overall plant performance while minimizing noise.



RS-485 AC Output

Wireless Communication (SUB_1G/Wi-Fi) APP

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



MyDeltaSolar

Wi-Fi (optional)

SUB_1G (optional)



DC Input (H4) DC Switch x 18 strings

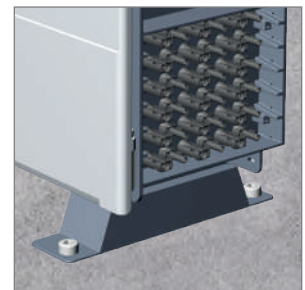
Fast Installation

The M70A_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

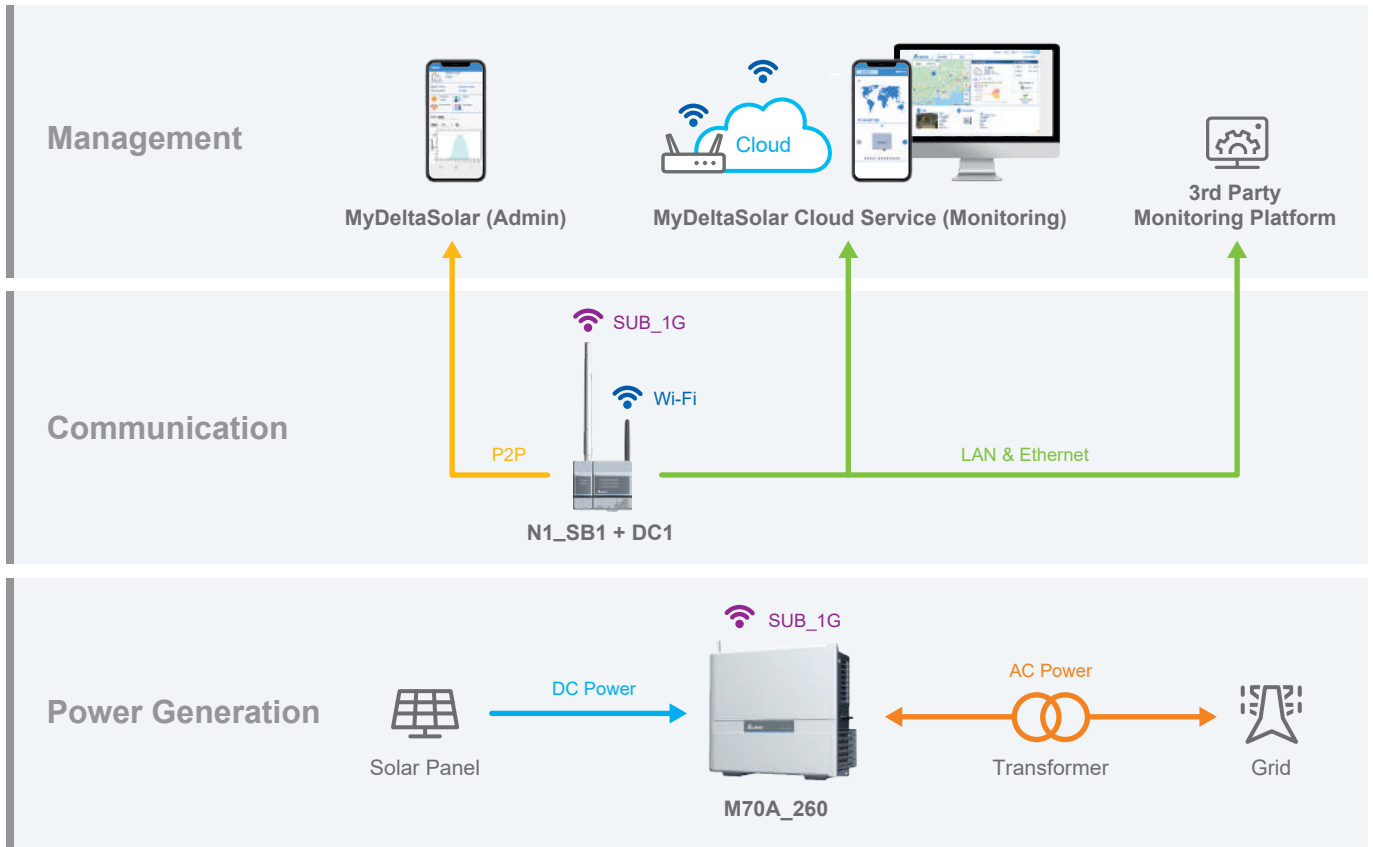


Toggle Latch Design

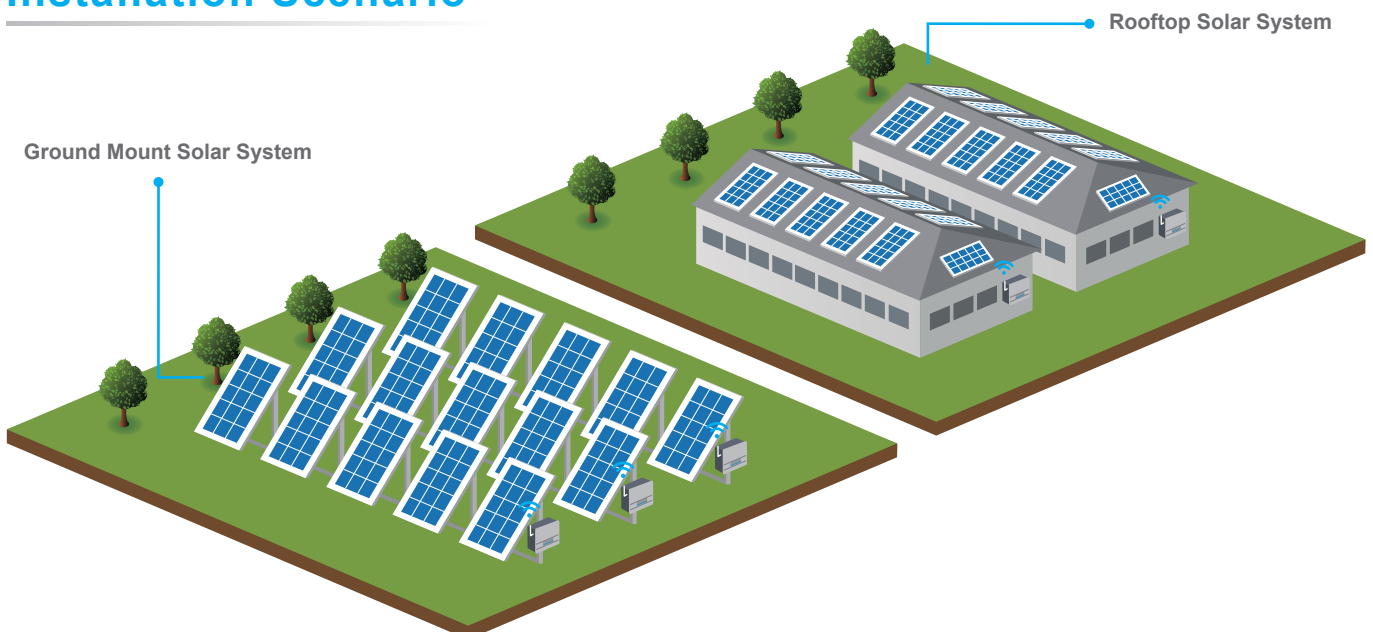
The toggle latch design saves considerable time for maintenance and minimizes the risk of water intrusion.



System Architecture



Installation Scenario



Specifications

Model Number	M70A_260
DC Input	
Max. Input Voltage	1100 V
Operating Voltage Range	200 - 1000 V
MPP Voltage Range (Full Power)	460 - 900 V (Amb < 35°C) ¹⁾
Start Voltage	> 250 V
Nominal DC Voltage	600 V
Max. Input Current	Each MPPT: 26 A, Total: 156 A
MPP Tracker	6
Connection Type	2 / MPPT (fuse not required); 3 / MPPT(external fuses required), Amphenol H4 DC Connector
DC Switch	Built-in
Surge Protection	Type II SPD (built-in) ; Type I+II SPD (optional)
AC Output	
Max. Output Power	77 kVA
Max. Output Current	111.6 A
Output Power	70 kw @ 50°C ; 77 kw @ 40°C
Nominal AC Voltage	3 Ph 220 / 380V, 230 / 400V Y or Δ
Operating Voltage Range	80% to 130% of Nominal AC Voltage
Operating Frequency Range	50 / 60 Hz ± 5 Hz
Power Factor (adjustable)	0.8 lead - 0.8 lag
Surge Protection	Type II SPD (built-in) ; Type I+II SPD (optional)
T.H.D	< 3%
Night Time Consumption ²⁾	< 3.5 W
Efficiency	
Peak Efficiency	98.8%
Euro Efficiency	98.4%
Information	
Communication Port	RS-485 (built-in) ; SUB_1G, Wi-Fi (optional)
Display	LED (Grid, Alarm, Comm.)
Certification	
Grid Support	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
General Data	
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 > 50°C)
Protection Level	IP65
Operating Elevation	< 4000 m
Cooling	Smart fan air cooling
Noise	67.3 dBA @1m, Amb25°C
Dimension (W x H x D)	699 x 629 x 264 mm
Weight	69 kg

1) Ambient < 35°C: 460 - 900V ; Ambient < 40°C: 460 - 800V ; Ambient < 50°C: 520 - 720V

2) Night time consumption with standby communication

*All specifications are subject to change without prior notice

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