



Delta office, Helmond, NL

## Innovative, clean and energy-efficient solutions for a better future

Your personal environmental contribution – A solar system with Delta solar inverters  
on your **commercial premises**



Commercial  
facilities

[solarsolutions.delta-emea.com](https://solarsolutions.delta-emea.com)



# Why you should choose Delta inverters

By installing a photovoltaic system on the roof of your commercial premises, you will not only generate green electricity, but also save money.

The choice of inverter is crucial for the long-term availability and sustainability of a PV system.

Take advantage of the large unused space on your roof to reduce energy costs, carbon footprint and prepare your company for new challenges.

1



Delta inverters are very flexible and can therefore be used for different roof configurations, including small structures.

2



## The advantages of having your own solar power system:



- Clean affordable electricity
- Green corporate image
- Affordable energy to charge company and customer vehicles
- More control over energy costs due to less dependence on the public grid

# Solar energy for commercial facilities



## Delta inverters are durable and robust

**1** Roofs on large buildings are rarely perfectly designed for solar installations: different-sized rooftop areas due to building conversions and extensions, different slope angles and orientations, interfering superstructures.

**2** Designed for large rooftop installations, Delta's efficient M50A, M70A and M100A string inverters with 6 or 8 MPP trackers address such challenges.

**3** Combine two green technologies – solar power and electric mobility! Charge your fleet of electric vehicles with green energy sourced from your own rooftop and offer e-charging possibilities to your employees and customers.



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**DC Wallbox**  
high DC power  
for fast EV  
charging

**AC MAX**  
when charging  
time doesn't  
matter



Delta solar inverters:  
**M15A / M20A / M30A Flex**



Delta solar inverters:  
**M50A / M70A / M100A Flex**

# How Delta inverters function: M50A / M70A / M100A



**Integrated Bluetooth:**  
Connect your smartphone to the inverter for easy commissioning with the [DeltaSolar app](#).

For example  
**M70A Flex**

**Optimised use of air for cooling:**  
Intelligent cooling with fans, suited to difficult environmental conditions.

**Communication card:**  
2 x RS485  
1 x 12 VDC power supply  
6 x digital inputs  
1 x external switch-off  
2 x dry contacts



Entry for AC cable



- Long service life and flexible use
- Robust electronics and a high-quality lightweight aluminium housing
- Suited to harsh environmental conditions
- Special features and safety functions (see page 6)

## Mounting options for M50/ M/70A /M100 Flex:



Mounting plate for wall mounting is included in delivery



Mounting feet for floor mounting can be ordered separately

 98.7%

Peak efficiency

 200V ↑

Wide input voltage range  
(200 to 1000V)



#### AC + DC overvoltage protection

Replaceable type 2 AC and DC surge protection devices (combi type 1+2 optional)



#### 2 mechanical DC disconnectors!

**DC connection panel, 6 MPP trackers, for up to 18 module strings, each with 3 DC inputs for maximising power supply:**

Delta's DC-optimised inverter solution reduces power losses and maximises the power generation of each individual module. Panels are affected by various environmental factors during the system's lifetime and the Delta inverters reduce this impact.



#### DC1 data collector with P3 power meter

The DC1 collects data from Delta inverters and transmits it to the [MyDeltaSolar](#) Cloud.

- MyDeltaSolar Cloud connection
- 7 days backup (in case of weak internet connection)
- Simultaneous commissioning of multiple inverters made easy with DeltaSolar app
- Dynamic feed-in limitation



Scan this QR code to watch our video about the Delta M70A (YouTube)

## Delta's special features and safety functions:

Delta has integrated several functions to improve the safety and operating behavior of our solar inverters.



### M70A Flex

- Data point acquisition for string monitoring and the creation of I-V curves
- Arc detection
- Reverse polarity protection
- Anti-PID function
- Integrated coupling switch

#### AC and DC surge protection devices (SPD)

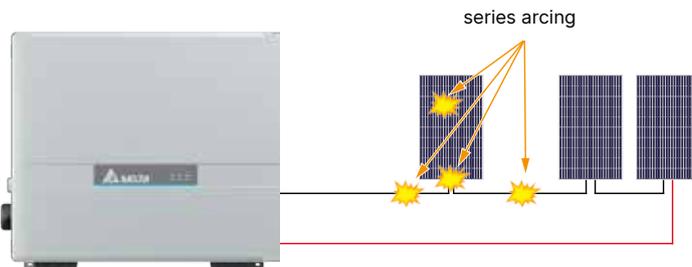
Reliable surge protection is necessary to protect systems from related damage. All Delta inverters for commercial PV installations have integrated Type-2 AC/DC surge protection devices. Combi-Type 1+2 can be ordered separately.

#### Integrated coupling switch

VDE-AR-N 4105 allows the use of an inverter with an internal coupling switch provided the switch disconnects the inverter from the grid in less than 100 ms. Delta solar inverters for commercial PV plants meet these requirements. An external grid and system protection is not needed.

#### Arc detection

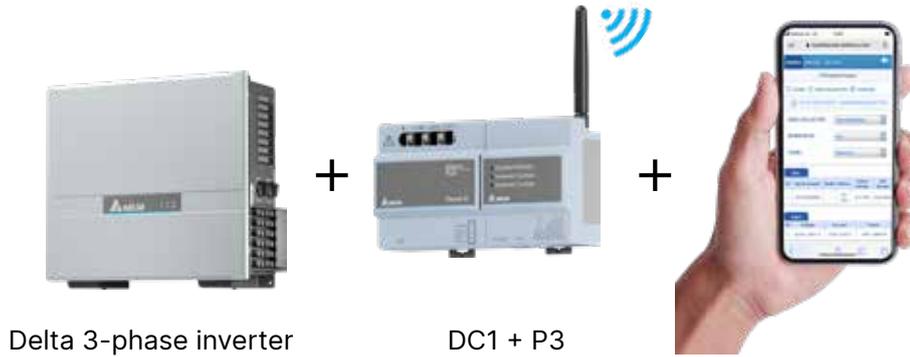
To minimize the risk of arcs, an arc detection is integrated into all of our new string inverters.



Scan the QR code for detailed information on related technical topics



## DeltaSolar app:



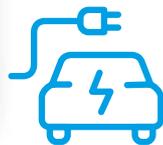
### Benefits for you:

- Easy commissioning of all connected Delta inverters
- Convenient monitoring of system performance in [MyDeltaSolar Cloud](#)
- Comprehensive statistics with clear transparent graphs
- Configurable alert notifications to stay informed

## Why not use this electricity to charge your car?



Delta  
DC Wallbox  
50 kW



### Your benefits:

- Max. 96% power efficiency
- Extremely small footprint for more flexible charging site deployment
- OCPP and network connectivity for seamless system integration
- IP55 protection and IK10 vandal-proof casing

### Compact design for Delta's EV charging solutions:

Delta's dual output DC Wallbox enhances EV compatibility at public charging sites. Its wall-mounted and modular design ensures cost-efficient installation and lifecycle maintenance. It also features built-in network connectivity for authentication and remote control applications.



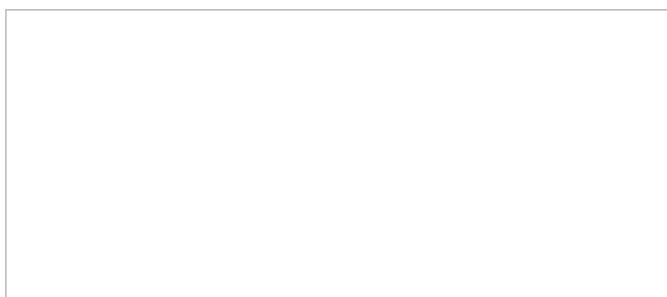
Scan the QR code for more details about  
Delta EV-charging



## Get in touch with us

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