

Delta Solar Grid-Tied Inverters

Performance and advanced features

Maximum profitability

Delta solar inverters achieve a peak efficiency of up to 98.6% and offer one of the largest operating temperature ranges available. Full output up to 52°C ambient temperature to maximise energy efficiency and ensure maximum profitability.

Long lifetime

Delta inverters have a very long lifetime thanks to the durable aluminium housing and high quality robust electronics that are employed in their design. Continuous product improvement is ensured due to comprehensive testing during product development and in production.

Easy installation

The lightweight, compact design combined with the unique wall bracket makes installation of the solar inverters greatly simplified. All inverters ship standard with a mounting bracket and AC plug to allow quick installation right out of the box

Aluminium housing

The aluminium housing of Delta solar inverters ensure long lasting protection against moisture and corrosion. The dust-proof, completely shockproof housing protects the electronics of the solar inverter from water spray from all directions. This means that it can be installed in protected outdoor areas, damp basements and areas with a high level of dust (agriculture).

3kVA - 5kVA Grid - Tied Inverter

Product Code	Input (DC)		Output (AC)		
	MPP Operating Voltage Range	Max. No. Of MPP Trackers	No. Of Phases	Nominal Apparent Power	Voltage Range
RPI H3A	125 ... 550V	1	1	3kVA	230 (-20% / +22%), 1 phase (L, N, PE or L, L, PE)
RPI H4A	100 ... 550V	2	1	4kVA	
RPI H5A	100 ... 550V	2	1	5kVA	

6kVA - 10kVA Grid-Tied Inverter

Product Code	MPP Operating Voltage Range	Max. No. Of MPP Trackers	AC Output		
			No. Of Phases	Nominal Apparent Power	Voltage Range
RPI M6A	200 ... 1000	2	3	6kVA	230 ±20% / 400V AC ±20%; 3 phase + PE or 3 phase + N + PE
RPI M8A	200 ... 1000	2	3	8kVA	
RPI M10A	200 ... 1000	2	3	10kVA	

15kVA - 50kVA Grid-Tied Inverter

Product Code	MPP Operating Voltage Range	Max. No. Of MPP Trackers	AC Output		
			No. Of Phases	Nominal Apparent Power	Voltage Range
RPI M15A	200 ... 1000	Parallel inputs: 1 MPP Tracker, Separate inputs: 2 MPP	3	15kVA	230 ± 20% / 400V ± 20%; 3 phase + PE or 3 phase + N + PE
RPI M20A	200 ... 1000	Trackers, input load: symmetrical and asymmetrical (for M15A / M20A / M30A: 33 / 67%; for M50A: 40 / 60%)	3	20kVA	
RPI M30A	200 ... 1000		3	30kVA	
RPI M50A	200 ... 1000		3	50kVA	

*Please enquire about our Generator integration feature!

Delta's Grid-tied, 3-phase and transformerless PV Inverter

Product Features

- 2 stages inverter with wide input operation range from 200 to 1000V DC
- Wall mounted installation
- 2 MPP trackers
- Excellent performance, maximum efficiency 98,8%
- 16 strings with fuses protection
- Ergonomics handle design
- Outdoor application with NEMA4X
- Arc fault detector
- Built-in DC switch
- Built-in AC & DC SPDs

Product Code	DC Input		MPP Tracker	Connection Type	AC Output
	Operating Voltage Range	MPP Voltage, Rated Power			Rated Output Power
RPI M80U_122	200 - 1000V	600 ~ 800V	2	18 pairs of MC4 connectors	80kW



RPI H4A - RPI H5A



RPI H6A - RPI H10A



RPI M6A - RPI M20A



RPI M30A



RPI M50A



RPI M80U_122