



## RPI M30A 30kW

### Delta's revolutionary commercial design

M30A transformerless PV inverter is the lightest, smallest, and first wall mount-able 30kW inverter in the world. With such compact size and light weight, the M30A has high energy density making it perfect for many large scale PV systems & applications.



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 **DELTA**  
Smarter. Greener. Together.

# Our Promise



Delta's brand promise "Smarter.Greener.Together." encourages the development and broad application of smart, energy-efficient solutions. At Delta we believe that technology and collaboration can lead to a cleaner, greener tomorrow.

## Features & Benefits



### Top-Down Cooling

Delta's revolutionary active cooling drawing air from the top and exhausting out the bottom eliminates internal fans for circulation. This creates the highest tolerance to temperatures in its class.



### Robust Enclosure

The IP65 rated powder-coated aluminum housing ensures long lasting protection against moisture and corrosion.



### Dynamic Output Setting

The M30A flexible settings allow the generation to be hard-set anywhere between 1kw to 30kw delivering an ability to work within DNSP approvals.

## Technical Specifications

### Input (DC)

Maximum recommended PV power	42,000W*
Maximum input voltage	1,000V
Operating voltage range	200 ~ 1,000V
MPP voltage range - symmetrical	520 ~ 800V
MPP voltage range - asymmetrical	700 ~ 800V
Start-up voltage	>250V
Nominal voltage	600V
MPP tracker	2
Maximum asymmetry (%)	67 / 33
Maximum input current (DC1 / DC2)	30A / 30A
Maximum input current (total MPPT)	60A

### Information

DC Switch	Yes
Communication port	RS485 / Dry contact
Display	LCD

### General Data

Operating temperature range	-25 ~ 60°C*
Protection level	IP65
Cooling	Variable Speed Fan; 3 x fans
Dimensions (W x H x D)	612 x 625 x 278mm
Weight	48,5kg
Delta part number	RPI303FA0E1100
CEC Registered Model	RPI M30A_xxx Series

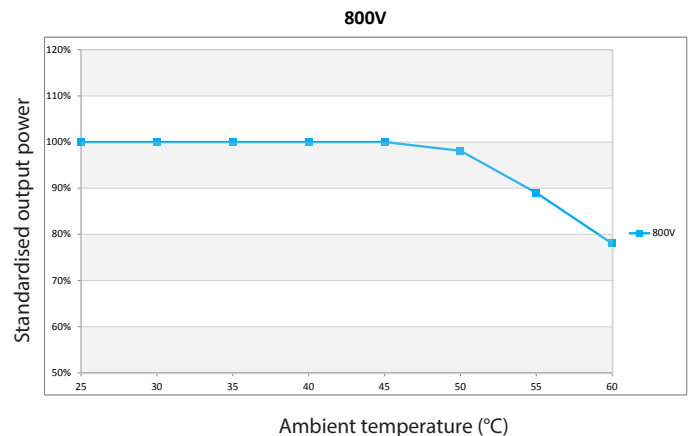
\*M30A @800v DC with 98.114% @50° Ambient

### Output (AC)

Maximum apparent power (Adjustable 0-30kw)	30,000W
Maximum output current	50A
Rated voltage	3Ph230 / 400V Y or Δ
Operating voltage range	±20%
Operating frequency range	45 / 60Hz ±5Hz
Power factor (adjustable)	0.8 ind ~ 0.8 cap
Total Harmonic Distortion (THD)	<3%
Night time loss	<3W
Peak	98.50%
Euro	98.20%

### Certifications

AS4777 | AS3100 | IEC 62109-1/-2 | CE compliance | EN 61000-6-2 | IEC 62116  
EN61000-6-3 | IEC 61000-4-2 | IEC 61000-4-3 | IEC 61000-4-4 | IEC 61000-4-5  
IEC 61000-4-6 | IEC 61000-4-8 | IEC 61000-3-2 | IEC 61000-3-3



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