Together we can make a difference.™

origin

**Origin9000 9.0kW Solar System Inverter Specifications**

Your Origin9000 system will be supplied with the following inverter:

- 2 x Delta RPI H5A

Please note the inverter supplied with your solar system is AS4777 accredited.

Please see the following specification sheet for further details and inverter specifications.



The power behind competitiveness

# Delta RPI-Home Series

## Grid PV Inverter

## RPI H3A / H4A / H5A



**Product Features**

- Transformerless design
- Dual MPP Trackers
- Fanless design enhancing product life
- Wide voltage range
- Peak efficiency 97.5%
- Optional wifi / ethernet
- LCD display
- Aluminum die-cast enclosure
- IP65 protection level
- Easy installation
- Wall mountable

DELTA

# Delta RPI Home Series

## Grid PV Inverter

## RPI H3A / H4A / H5A

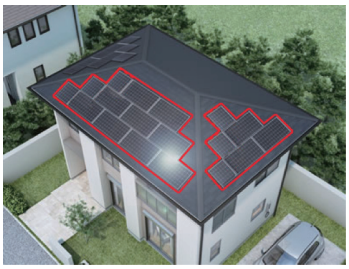
### High Quality Protection Design

RPI-Home series is designed with IP65 protection level and fast connector features to enhance the performance under outdoor environment.



### High Efficiency Performance

Dual MPP Trackers give more flexibility to PV system with multiple strings facing different angels & perform maximum yields with highest efficiency up to 97.5%.



### Delta RPI-Home Series Product Specs

| Model | | RPI H3A | RPI H4A | RPI H5A |
|---|---|---|---|---|
| DC Input | Max. input voltage | 550V | 550V | 550V |
| | Operating voltage range | 100~550V | 100~550V | 100~550V |
| | MPP voltage range | 160~500V | 180~500V | 220~500V |
| | Start voltage | 100V | 100V | 100V |
| | Rated voltage | 350V | 350V | 350V |
| | Max. input current | Each MPPT:10A<br>Total 20A | Each MPPT:12A<br>Total 24A | Each MPPT:12A<br>Total 24A |
| | MPP tracker | 2 | 2 | 2 |
| | Connection type | 2 pairs MC4 | 2 pairs MC4 | 2 pairs MC4 |
| AC Output | Max. output power | 3000VA | 4000VA | 5000VA |
| | Max. output current | 13.9A | 18.2A | 23.2A |
| | Rated voltage | 230V | 230V | 230V |
| | Operating voltage range | -20% / +22% | -20% / +22% | -20% / +22% |
| | Operating frequency range | 50/60Hz ±5Hz | 50/60Hz ±5Hz | 50/60Hz ±5Hz |
| | Power factor (adjustable) | 0.8 ind ~ 0.8 cap | 0.8 ind ~ 0.8 cap | 0.8 ind ~ 0.8 cap |
| | THD | <3% | <3% | <3% |
| | Night time consumption* | <1W | <1W | <1W |
| Efficiency | Peak efficiency | 97.50% | 97.50% | 97.50% |
| | Euro efficiency | 96.80% | 97.00% | 96.80% |
| Information | DC Switch | YES | YES | YES |
| | Communication port | RS485 / wifi optional | RS485 / wifi optional | RS485 / wifi optional |
| | Display | LCD 16 characters x 2 | LCD 16 characters x 2 | LCD 16 characters x 2 |
| Certification | | VDE-AR-N 4105<br>AS4777<br>AS3100<br>IEC 62109-1/-2<br>EN 61000-6-2<br>EN 61000-6-3 | VDE-AR-N 4105<br>AS4777<br>AS3100<br>IEC 62109-1/-2<br>EN 61000-6-2<br>EN 61000-6-3 | VDE-AR-N 4105<br>AS4777<br>AS3100<br>IEC 62109-1/-2<br>EN 61000-6-2<br>EN 61000-6-3 |
| General Data | Operating temp. range | -25~60°C | -25~60°C | -25~60°C |
| | Protection level | IP65 | IP65 | IP65 |
| | Operating elevation | <2000m | <2000m | <2000m |
| | Cooling | Natural cooling | Natural cooling | Natural cooling |
| | Dimension (W x H x D, mm) | 475 × 415 × 155 | 475 × 415 × 155 | 475 × 415 × 155 |
| | Weight | 21kg | 21kg | 21kg |

* Night time consumption includes backlight & communication

- All specifications are subject to change without prior notice.

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