



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 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 angles & 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	600V	600V	600V
	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
	MPP tracker	2	2	2
	Max. input current	Each MPPT:10A Total 20A	Each MPPT:12A Total 24A	Each MPPT:12A Total 24A
	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	YS
	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	VDE-AR-N 4105	VDE-AR-N 4105
		AS4777	AS4777	AS4777
		AS3100	AS3100	AS3100
		IEC 62109-1/-2	IEC 62109-1/-2	IEC 62109-1/-2
		EN 61000-6-2	EN 61000-6-2	EN 61000-6-2
		EN 61000-6-3	EN 61000-6-3	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 x 415 x 155	475 x 415 x 155	475 x 415 x 155
	Weight	21kg	21kg	21kg

\* Night time consumption includes backlight & communication

- All specifications are subject to change without prior notice.