

## H3 Flex

High efficiency single phase inverters with Wi-Fi -  
Perfect choice for residential PV systems

### Versatile applications

- Aluminium housing ensures long lasting protection against moisture and corrosion
- Wide input voltage range (30-600 V)
- Ultra low startup voltage at 35 V
- Suitable for indoor and outdoor applications (IP65)
- Compact design for simplified installation
- Low noise emission <20 dB(A)
- Built-in Wi-Fi communication

### Maximum profitability

- Peak efficiency of 97.5%
- Fanless design
- Commissioning via Wi-Fi connection

# 3.0 kVA solar inverters

## Technical data H3 Flex

INPUT (DC)	H3 Flex
Max. recommended PV power	3.8 kW <sub>p</sub>
Maximum power	3.19 kW
Voltage range	30 ... 600 V
MPP operating voltage range	30 ... 550 V
Voltage range for maximum power	290 ... 500 V
Max. current	11 A
Max. number of MPP trackers	1

OUTPUT (AC)	
Maximum apparent power	3 kVA <sup>1) 2) 3)</sup>
Nominal apparent power	3 kVA <sup>2)</sup>
Voltage range	230 -20%/+22%, 1 Phase (L, N, PE) <sup>3)</sup>
Nominal current	13 A
Nominal frequency	50 / 60 Hz
Frequency range	50 / 60 Hz ± 5 Hz <sup>3)</sup>
Power factor adjustable	0.8 cap ... 0.8 ind
Total harmonic distortion (THD)	< 3 % @ nominal apparent power

### GENERAL SPECIFICATION

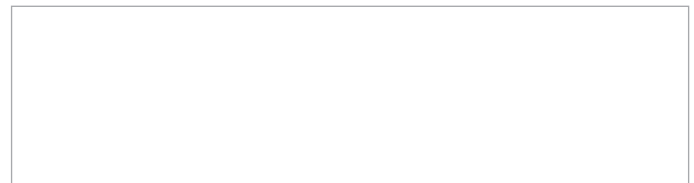
Model name	H3_210
Part number Delta	RPI302H210000
Max. efficiency	97.5%
Efficiency EU	96.8%
Operating temperature	-25 ... +60 °C
Nominal power without derating	-25 ... +40 °C
Storage temperature	-25 ... +60 °C
Humidity	0 ... 95% non-condensing
Max. operating altitude	2000 m (above sea level)
Standard guarantee	5 years (guarantee extension available upon request)

### MECHANICAL DESIGN

Size (H x W x D)	318 x 380 x 130 mm
Weight	10 kg
Cooling	Convection cooling
AC connector	Wieland RST 25I3S (96.031.4154.3)
DC connector	1 pair Multi-Contact MC4
Communication interfaces	Wi-Fi
DC disconnecter	Integrated
Display	Data visualization via integrated web server

SAFETY / STANDARDS	H3 Flex
Protection degree	IP65
Safety class	I
Configurable trip parameters	Yes
Insulation monitoring	Yes
Overload behavior	Current limitation; power limitation
Anti-islanding protection / Grid regulation	VDE 0126-1-1; VDE-AR-N 4105; EN 50438 2013; Netherlands
EMC	EN61000-6-2; EN61000-6-3
Safety	IEC62109-1 / -2; CE compliance

- 1) Cos Phi = 1 (VA = W)
- 2) The maximum AC apparent power indicates the power an inverter is able to deliver. This maximum apparent power may not necessarily be reached.
- 3) AC voltage and frequency range will be programmed according to the individual country requirements.



### United Kingdom

Email: [sales.uk@solar-inverter.com](mailto:sales.uk@solar-inverter.com)  
Tel: 0800 051 4280 (Free Call)

### International

Email: [sales.europe@solar-inverter.com](mailto:sales.europe@solar-inverter.com)  
Tel: +49 7641 455 547