FuturaPulse Single

SINGLE PHASE HYBRID INVERTER

10 YEARS
PRODUCT GUARANTEE

3 / 3,6 / 4 / 5 / 6 K

ON-GRID
OFF-GRID

Suitable for on-grid and off-grid installations

Max.
6.000 W

Rated AC output and EPS power

KEY BENEFITS AND FEATURES

- DC / AC ratio **up to 1.5**
- **85 ~ 460V** wide battery voltage range
- Can operate **without batteries**
- DC couple and AC couple to **retrofit existing solar system**
- **Extra load** capacity under EPS mode
- Built-in **arc-fault** circuit-Interrupter
- Max. **3 inverters** in parallel
- Compatible with **diesel generators**

Monitoring service

The monitoring service allows you to verify that the PV system is always perfectly functional, thanks to the **Wifi datalogger included with the inverter**, which transmits the **plant** data to the portal via the internet, **through** the customer's router. The user can easily consult the monitoring pages via browser on PC or APP on smartphone.

Power continuity

The FuturaPulse Single inverter is equipped with an EPS output which allows you to power important appliances such as refrigerators, computers, etc. at full power, both in the absence of the electricity network and in the event of any blackouts caused by network faults.

Input PV	3K-HS	3.6K-HS	4K-HS	5K-HS	6K-HS
Recommended max. PV power (STC) (Wp)	4.500	5.520	6.000	7.500	9.000
Max. input power per MPPT (W)	3.000	3.000	3.000	3.750	4.500
Max. PV input voltage (V)	600				
Startup voltage (V)	100				
Nominal PV input voltage (V)	360				
MPPT operating voltage range (V)	90 ~ 560				
Number of PV inputs	2 (2MPPTs, 1 / 1)				
Max. input current per MPPT (A)	16				
Max. short circuit current per MPPT (A)	25				

Efficiency	
Max. efficiency (%)	97.60
EU efficiency (%)	97.00

General data	
Dimensions	470W x 375H x 178D mm
Weight (kg)	17
Installation method	Wall-mounted
Topology	transformerless
Protection degree	IP65
Operating temperature	-25 ~ 60 °C
Humidity	0 ~ 100 %
Cooling method	natural
Max. operating altitude	4.000 m (>3.000 m derating)
Display	LED + APP
Communication method	Wifi, RS485, CAN
Maximum noise level (dB)	45

Battery parameter	3K-HS	3.6K-HS	4K-HS	5K-HS	6K-HS
Battery type	Li-ion				
Battery voltage range (V)	85 ~ 460				
Max. charge / discharge current (A)	25 / 25				
Max. charge / discharge power (W)	3.000 / 3.000	3.680 / 3.680	4.000 / 4.000	5.000 / 5.000	6.000 / 6.000

Grid input / output	3K-HS	3.6K-HS	4K-HS	5K-HS	6K-HS
Nominal grid output power (W)	3.000	3.680	4.000	5.000	6.000
Max. grid output power (VA)	3.000	3.680	4.000	5.000	6.000
Max. grid output current (A)	13	16	17.4	21.7	26.1
Max. input power from grid (VA)	6.000	7.300	8.000	10.000	12.000
Max. input current from grid (A)	26	32	34.8	43.4	52.3
Nominal grid voltage	L / N / PE, 230 V				
Nominal grid frequency (Hz)	50 / 60				
Harmonic (THD)	< 3%				
Power factor range	0.8 leading ~ 0.8 lagging				

Protection	
Anti islanding protection	yes
Leakage current protection	yes
PV reverse protection	yes
Short circuit protection	yes
Arc-fault circuit interrupter	yes
Surge protection	DC II / AC II
Battery reverse protection	yes

Back-up data (EPS mode)	3K-HS	3.6K-HS	4K-HS	5K-HS	6K-HS
Rated output power (W)	3.000	3.680	4.000	5.000	6.000
Peak output power (VA)	5.000, 10s	5.000, 10s	5.000, 10s	7.500, 10s	7.500, 10s
Switch time to EPS mode (ms)	10				
Nominal output voltage (V)	230				
Nominal output frequency (Hz)	50 / 60				

Certification

IEC 62109-1/2, IEC61000-6,IEC61000-3, IEC62116, IEC61727, IEC61683, IEC60068, EN50549-1, EN62477, C10/11, CEI-0-21, NRS097-2, RD1699/UNE217001/UNE206007/NTS Type A, ORDINANCE No.140

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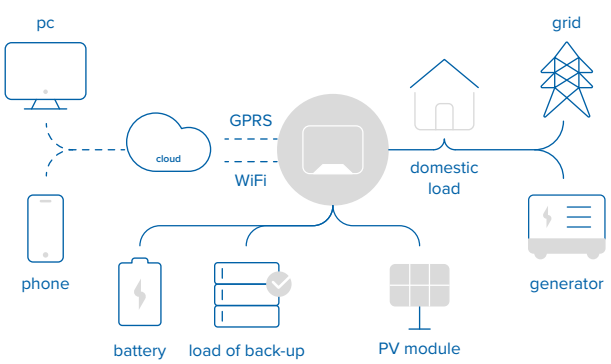

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