FuturaPulse Tri

THREE PHASE HYBRID INVERTER

FuturaSun
anticipate tomorrow

10 YEARS
PRODUCT GUARANTEE

5 / 6 / 8 / 10 / 12 / 15 K

ON-GRID
OFF-GRID

Suitable for on-grid and off-grid installations

Max.
15.000 W

Rated AC output and EPS power

KEY BENEFITS AND FEATURES

- DC / AC ratio up to 1.5
- Extra load capacity under EPS mode
- 160 ~ 600V wide battery voltage range
- Built-in arc-fault circuit-Interrupter
- Can operate without batteries
- Max. 10 inverters in parallel
- DC couple and AC couple to retrofit existing solar system
- 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 Tri 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	5K-HT	6K-HT	8K-HT	10K-HT	12K-HT	15K-HT
Recommended max. PV power (STC) (Wp)	7.500	9.000	12.000	15.000	18.000	22.500
Max. input power per MPPT (W)	7500 (MPPT 1/2)				15000 (MPPT1) 7500 (MPPT2)	
Max. PV input voltage (V)	1000					
Startup voltage (V)	180					
Nominal PV input voltage (V)	620					
MPPT operating voltage range (V)	160 ~ 950					
Number of PV inputs	2 (2MPPTs, 1 / 1)				3 (2MPPTs, 2 / 1)	
Max. input current per MPPT (A)	18				32 / 18	
Max. short circuit current per MPPT (A)	25				40 / 25	

Efficiency	5-6K-HT	8-15K-HT
Max. efficiency (%)	97.80	98.20
EU efficiency (%)	97.20	97.50

General data	5-6-8-10K-HT	12-15K-HT
Dimensions	577W x 537H x 206D mm	
Weight (kg)	26	29
Installation method	wall-mounted	
Topology	transformerless	
Protection degree	IP66	
Operating temperature	-25 ~ 60 °C	
Humidity	0 ~ 100 %	
Cooling method	natural	smart fan cooling
Max. operating altitude	4.000 m (>3.000 m derating)	
Display	LED + APP	
Communication method	Wifi, RS485, CAN	
Maximum noise level (dB)	45	55

Battery parameter	5K-HT	6K-HT	8K-HT	10K-HT	12K-HT	15K-HT
Battery type	Li-ion					
Battery voltage range (V)	160 ~ 600					
Max. charge / discharge current (A)	25 / 25				30 / 30	
Max. charge / discharge power (W)	7.500 / 7.500	9.000 / 9.000	12.000 / 12.000	15.000 / 15.000	18.000 / 18.000	18.000 / 18.000

Grid input / output	5K-HT	6K-HT	8K-HT	10K-HT	12K-HT	15K-HT
Nominal grid output power (W)	5.000	6.000	8.000	10.000	12.000	15.000
Max. grid output power (VA)	5.500	6.600	8.800	11.000	13.200	16.500
Max. grid output current (A)	8.33	10	13.3	16.7	20	25
Max. input power from grid (VA)	7.500	9.000	12.000	15.000	18.000	22.500
Max. input current from grid (A)	11.4	13.6	18.2	22.7	27.3	34.1
Nominal grid voltage	3L / N / PE, 220 V or 230 V / 400 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)	5K-HT	6K-HT	8K-HT	10K-HT	12K-HT	15K-HT
Rated output power (W)	5.000	6.000	8.000	10.000	12.000	15.000
Peak output power (VA)	7.500, 60s	9000, 60s	12.000, 60s	15.000, 60s	18.000, 60s	18.000, 60s
Switch time to EPS mode (ms)	10					
Nominal output voltage (V)	220 / 380 or 230 / 400					
Nominal output frequency (Hz)	50 / 60					

Certification

IEC 62109-1/2, IEC61000-6, IEC61000-3, IEC62116, IEC61727, IEC61683, IEC60068, EN50549-1, EN62477, VDE4105, C10/11, CEI-0-21, TOR Type A PTPiREE: 2021, PPDS

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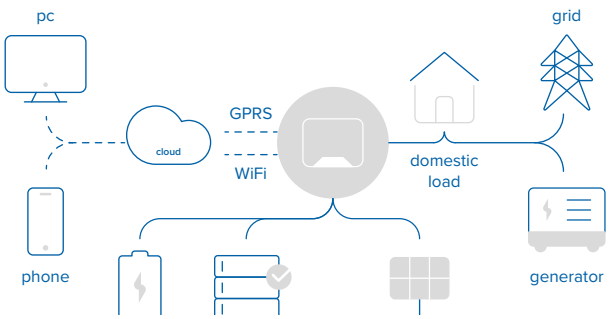

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