

Technical data

Hybrid Series 48V 5.0



HYBRID INVERTER WITH BACK-UP MODE



MAXIMUM CUSTOMER SATISFACTION



intertek
Total Quality. Assured.

Hybrid Series 48V 5.0

Technical Data

Model

HYBRID SERIES 48V 5.0 V.A.

Battery input data

Battery type	Acid-Lead or Li-Ion
Battery Voltage range (V)	40V-60V
I _{max} Charge (A)	120A
I _{max} Discharge (A)	120A
Load curve	3 steps/equalization
External Temperature Sensor	Optional
Cycle Life	Self-adapting to BMS

Input data DC

P _{max} DC (W)	6500W
Input range PV (V)	370V (100V-500V)
MPPT range (V)	125V-425V
Full charge range (V)	240V-425V
Startup voltage	150V
Max input current (A)	13A+13A
N° MPPTs	2
Strings per MPPT	1 / 1

Output data AC

Nominal Power (W)	5000W
Max. Power (W)	5500W
Peak Power (Offgrid)	Twice the Nominal Power, 10S
Max. Back-Up Power (W)	5000W
Nominal AC output current (A)	20.8A
Max. AC current (A)	22.9A
Peak Current (A)	35A
Power factor	0.8-1
Output frequency and voltage	50 / 60Hz; 120 / 240Vac (split phase), 208Vac (2 / 3 phase), 230Vac (single phase)
Grid type	Split phase; 2 / 3 phase; Single Phase
Harmonic distortion	THD<3% (line loading)<1.5%

Efficiency

Max. Efficiency	97.60%
European Efficiency	97.00%
MPPT Efficiency	99.90%

Certifications and Standards

Grid Regulation	UL1741, IEEE1547, RULE 21, VDE0126, AS4777, NRS2017, G98, G99, IEC61683, IEC62116, IEC61727
Safety Regulation	IEC62109-1, IEC62109-2
EMC	EN61000-6-1, EN61000-6-3, FCC 15 class B

General data

Weight (kg)	20.5 kg
Size (mm)	580 x 330 x 232 mm

CAUTION: READ THE INSTRUCTION AND INSTALLATION MANUAL BEFORE USING THE PRODUCT.

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