

Technical data

Hybrid Series 48V 5.0



HYBRID INVERTER WITH BACK-UP MODE



MAXIMUM CUSTOMER SATISFACTION



intertek
Total Quality. Assured.

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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)	21.7A
Max. AC current (A)	25A
Peak Current (A)	35A
Power factor	0.8-1
Output frequency and voltage	50/60Hz; 220/230/240Vac (single phase)
Grid type	Single phase
Harmonic distortion	THD<3% (line loading)<1.5%

Efficiency

Max. Efficiency	97.60%
European Efficiency	96.50%
MPPT Efficiency	99.90%

General data

Weight (kg)	20.5 kg
Size (mm)	580 x 330 x 208 mm
Protection degree	IP65
Cooling	Fan
Warranty	5 years

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

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