

TECHNICAL DATA
Hybrid Series
48V 5.0



HYBRID INVERTER WITH BACK-UP MODE



MAXIMUM CUSTOMER SATISFACTION



intertek
Total Quality. Assured.

TECHNICAL DATA

Model	Hybrid Series 48V 5.0
Battery input data	
Battery type	Acid-Lead or Li-Ion
Battery Voltage range (V)	40V-60V
Imax Charge (A)	120A
Imax Discharge (A)	120A
Load curve	3 steps/equalization
External Temperature Sensor	Optional
Cycle Life	Self-adapting to BMS
Input data DC	
Pmax DC (W)	6500W
Input range PV (V)	370V (100V-500V)
MPPT range (V)	150V-425V
Full charge range (V)	240V-425V
Startup voltage	125V
Max input current (A)	13A+13A
Nº 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
Nominal Gen output current (A)	32 A
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 × 330 × 232 mm
Protection degree	IP65
Cooling	Fan
Warranty	5 years



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