



# Hybrid Series 48V 5.0 and 10.0



 **HYBRID INVERTER WITH BACK-UP MODE**

 **EASE-TO-USE AI-DRIVEN SOFTWARE**  
Optimized stored energy



Model	Three Phase Hybrid Series 48V 5.0	Three Phase Hybrid Series 48V 10.0
<b>Battery input data</b>		
Battery type	Lead-acid or Li-Ion	
Battery voltage range (V)	40V-60V	
I <sub>max</sub> charge (A)	120A	210A
I <sub>max</sub> discharge (A)	120A	210A
External temperature sensor	Optional	
Charging strategy	Self-adaption to BMS	
<b>PV input data</b>		
P <sub>max</sub> DC (W)	6500W	13000W
Rated DC voltage – (voltage range)	550V - (160V-800V)	
MPPT voltage range	200V-650V	
Startup voltage	160V	
Max. input current (A)	13A+13A	26A+13A
Max. short-circuit input current (A)	17A+17A	34A+17A
No. of MPPTs	2	
Strings per MPPT	1/1	2/1
<b>AC output data</b>		
Rated power (W)	5000W	10000W
Max. power (W)	5500W	11000W
Peak power (off-grid)	2 times of rated power, 10s	
Max. back-up power (W)	5000W	10000W
Rated AC output current (A)	7.25A	14.5A
Rated Genport current (A)	10A	20A
Max. AC output current (A)	11.4A	22.7A
Power factor	0.8-1	
Output frequency and voltage	50/60Hz; 3L/N/PE 220/380, 230/400Vac	
Grid type	Three-phase	
Harmonic distortion	THD<3% (of rated power)	
<b>Efficiency</b>		
Max. Efficiency	97.60%	
European Efficiency	97.00%	
MPPT Efficiency	>99%	
<b>General data</b>		
Weight (kg)	33.6 kg	
Size (mm)	699 × 422 × 279 mm	
Protection degree	IP65	
Cooling	Air cooling	
Warranty	10 years/5 years *	

\*The warranty period depends on the date of purchase and other conditions. For more info, consult the warranty documents.



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

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The specifications of the technical data sheet may be modified without prior notice.

