



CHARACTERISTICS

-  Easy installation
-  Reliable
-  Easy to use

MEASURES



Entrance photovoltaic	Max power of the photovoltaic array	6500Wp STC
	Maximum input voltage	550V
	MPP voltage range/rated input voltage	40V a 530V/380V
	Minimum input voltage/start voltage	40V / 50V
	Number of independent MPPT trackers /strings per MPPT input	2 / 1
	Maximum Input Current per MPPT	16A
	Maximum short circuit current per MPPT	20A
Entrance of Battery	Battery rated voltage	48V
	Battery voltage range	40V a 60V
	Max. Charge Current/Max. Discharge Current	100A / 100A
	Battery Type	Li-Ion
Ac output	AC Rated Voltage / AC Voltage Range	230V / 180V a 280V
	AC Grid Rated Frequency	50Hz / 60Hz
	AC grid frequency range	50 Hz/45 Hz a 55 Hz 60 Hz/ 45 Hz a 55 Hz
	Rated active power	4000W
	Rated apparent power	4000VA
	Max apparent power	4000VA
	Nominal output current of the network (@230 V)	17.4A
	Max current network output	18.2A
	THDi harmonics (at rated power)	< 3%
AC input	Rated mains voltage	a.c. 230V
	Rated grid frequency	50Hz / 60Hz
	Rated apparent power	6000VA
	Max input apparent power from grid	6000VA
	Rated input current from mains	a.c. 26.1A
	Maximum input current from the mains	a.c. 27.3A
EPS production	Rated output voltage	230V
	Rated output frequency	50Hz / 60Hz
	Rated apparent power	5000VA
	Max output apparent power	5000VA
	Peak apparent power output	7500VA, 10s
	Rated current (at 230 V)	21.7A
	Max output current	21.7A
	Max switching time	≤ 10 ms
	Output THDi (at linear load)	< 3%
Efficiency	MPPT efficiency	99.9%
	Max Efficiency / European Efficiency	97.6% / 97%
	Max efficiency of the battery with respect to the charge	94.7%
Protection of security	DC side disconnect device	●
	Battery input reverse polarity protection/ photovoltaic string	● / ●
	Omnipolar residual current monitoring unit	●
	Anti-island protection	●
	Ground fault protection	●
	AC surge protection	●
	Protection class (according to IEC 62109-1)/ overvoltage category (according to IEC 62109-1)	I / AC: III; dC: II
General data	Power factor at rated power/adjustable displacement	≥0.99/0.8 ahead - 0.8 behind
	Dimensions (width/height/length)	483 / 455 / 193.5 mm
	Device weight	21.5 kg
	Operating temperature range	-25 °C ... +60 °C
	Acoustic emissions (typical)	30 dB(A)
	standby consumption	< 10 W
	Cooling concept	Natural convection
	Protection degree (according to IEC 60529)	IP66
	Climatic category (according to IEC 60721-3-4)	4K4H
	"Max. permissible value of relative humidity (no condensation)"	100%
	Maximum operating altitude	4000 m (>3000 m power reduction)
	Country of manufacture	China
	Features	User interface
Communication with BMS		RS485 / CAN
Communication with meter		RS485
Communication with the portal		Dongle Wi-Fi
Other communication		DRM
Integrated Power Control / Zero Discharge		● / ●
Shadow control		●

● Standard Features / ○ Optional Features / - Not Available