

## Product parameters

### Input (DC)

Max PV Power(wp)	15000
Max DC input voltage [V]	1000
Rated DC voltage [V]	720
Max INPUT Current [A]	12/12
Max short current [A]	14/14
MPPT voltage range [V]	180-950
Start-up voltage [V]	180
Number of MPPTs/ Number of Strings per MPPT	2(1/1)

### Output (AC)

Rated output power [VA]	10000
Max AC power [VA]	11000
Rated grid voltage [V]	400/230; 380/220
Rated grid frequency [Hz]	50/60
Rated AC Current [A]	14.5
Max AC Current [A]	15.9
Power Factor	0.8 leading to 0.8 lagging
THDi[%]	<3

### Input (AC)

Max AC power [VA]	10000
Max AC current [VA]	15.9

### Battery

Battery voltage range [V]	160-800
Max. Continuous Charge/Discharge Current [A] [A]	25
Communication	CAN/ RS485
Electronic protection	YES

### EPS Output (with battery)

EPS Max. Continuous Power[VA]	10000
EPS Rated voltage [V], Frequency [Hz]	400/230; 380/220; 50/60
EPS Max continuous current[A]	14.5
EPS peak power rating [VA]	<15000
Transfer Time [ms]	<200
THDi [%]	<2

### Efficiency

MPPT efficiency[%]	99.9
European Efficiency[%]	97
Max. Efficiency[%]	97.8
Battery charge and discharge efficiency[%]	97.5/96.5

### Power Consumption

Night Power Consumption [W]	<25 for hot standby, <3 in cold standby
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### Protection

Over-voltage protection/Low-voltage protection	YES
Ground fault monitoring	YES
Grid monitoring	YES

### Standard and Certification

Safety	IEC62109-1/-2
EMC	EN 61000-6-1/ EN 61000-6-2/ EN 61000-6-3
Grid Regulation	VDE-AR-N 4105 / AS4777 / EN50549 / CEI 0-21

### Environmental Limit

IP Protection	IP65
Operating Temperature Range [°C]	-20~+60 (derating at +45)
Altitude [m]	<2000
Humidity [%]	0~100 (non-condensing)
Storage temperature (°C)	-20~+60
NI[dB]	<30

### General Data

Dimensions (W*H*D) [mm]	457*654*228
Weight [kg]	28
Cooling Method	Natural
Topology	Non-isolated
Communication	Ethernet/ Meter/ Pocket WiFi (optional) / Pocket LAN (optional) / Pocket GPRS (optional) / DRM/ USB/ ISO alarm/ CT
Warranty [year]	5-10

\* When the temperature is below 0 °C or above 40 °C, the performance will be limited.

\*\* Under specific test conditions