



CHARACTERISTICS



Easy installation



Reliable



Easy to use

MEASURES



Entrance photovoltaic	Max power of the photovoltaic array	9000Wp STC
	Maximum input voltage	1100 V
	MPP voltage range/rated input voltage	150 V a 1000 V / 630 V
	Minimum input voltage/start voltage	125 V / 180 V
	Number of independent MPPT trackers /strings per MPPT input	2 / A :1 ; B : 1
	Maximum Input Current per MPPT	16A / 16A
	Maximum short circuit current per MPPT	25A / 25A
AC output	AC voltage range	160 V a 300 V
	AC rated voltage	220 V-380 V / 230 V-400 V / 240 V-415 V
	Feeding phases	3 / 3-N-PE
	AC Grid Frequency / Range	50 Hz/45 Hz a 55 Hz 60 Hz/ 55 Hz a 65 Hz
	Rated active power	6000W
	Rated apparent power	6000VA
	Maximum apparent power	6600VA ³ / ₄
	Adjustable power factor range	0.8 ahead - 0,8 behind
	Maximum output current of the network	9.6A
THDi harmonics (at rated power)	< 3%	
Efficiency and protection of security	Maximum efficiency/European efficiency	98.3% / 97.9%
	DC side disconnect device	●
	DC reverse polarity protection/ AC short circuit protection	● / ●
	Omnipolar residual current monitoring unit	●
	Anti-island protection	●
	Ground Fault Monitoring/ Grid Monitoring	● / ●
	AC surge protection	● / Type II
	Protection class (according to IEC 62109-1)/ overvoltage category (according to IEC 62109-1)	I / AC: III; DC: II
General data	Dimensions (width/height/length)	503/ 435 / 183mm
	Device Weight	15 kg
	Operating temperature range	-25 °C ... +60 °C
	Topology	Without transformer
	Night use	< 1 W
	Cooling concept	Natural Convection
	Protection degree (according to IEC 60529)	IP66
	Climatic category (according to IEC 60721-3-4)	4K4H
	"Maximum permissible value of relative humidity (no condensation)"	100%
	Maximum operating altitude	3000 m
Country of manufacture	China	
Features	Communication interface ^{1 2}	Wi-Fi / 4G / RS485 (Optional)
	LED indicators (status/error/communication)	●
	DC connection	Plug connector
	AC connection	Plug connector
	Mounting type	Wall mount
	Ceetificates and authorizations (others upon request)	CE, EN50549, G98/99, VDE-AR-N4105, AS/NZS 4777, C10/C11, VFR2014 & UTE C15, IEC62109,IEC61727, IEC62116, IEC61000, IEC61683, IEC60068 NB/T32004

● Standard Features / ○ optional features / - not available

1. Zero export facilities compatible with 2-pin RS485 for connection to approved smart meters.
2. DRED supports RS485 communication for Australia and New Zealand.
3. The overload setting is disabled by default for AS/NZS4777 network codes.
4. For European grid codes and AS/NZS4777, the maximum apparent power in AC is equal to the rated power.
Data in nominal conditions.
All information is subject to change.