



CHARACTERISTICS



Easy installation



Reliable



Easy to use

MEASURES



Entrance photovoltaic	Max power of the photovoltaic array	12000Wp STC
	Maximum input voltage	1100 V
	MPP voltage range/rated input voltage	150V a 1000V / 630V
	Minimum input voltage/start voltage	125V / 180V
	Number of independent MPPT trackers /strings per MPPT input	2 / A :1 ; B : 1
	Maximum Input Current per MPPT	20A / 16A
	Maximum short circuit current per MPPT	30A / 25A
AC output	AC voltage range	160V a 300V
	AC rated voltage	220V-380V / 230V-400V / 240V-415V
	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	8000W
	Rated apparent power	8000VA
	Maximum apparent power	8800VA ^{3Y4}
	Adjustable power factor range	0.8 ahead - 0,8 behind
	Maximum output current of the network	12.8A
THDi harmonics (at rated power)	< 3%	
Efficiency and protection of security	Maximum efficiency/European efficiency	98.6% / 98.2%
	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	17.3 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	
Features	Country of manufacture	China
	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
	Certificates 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.