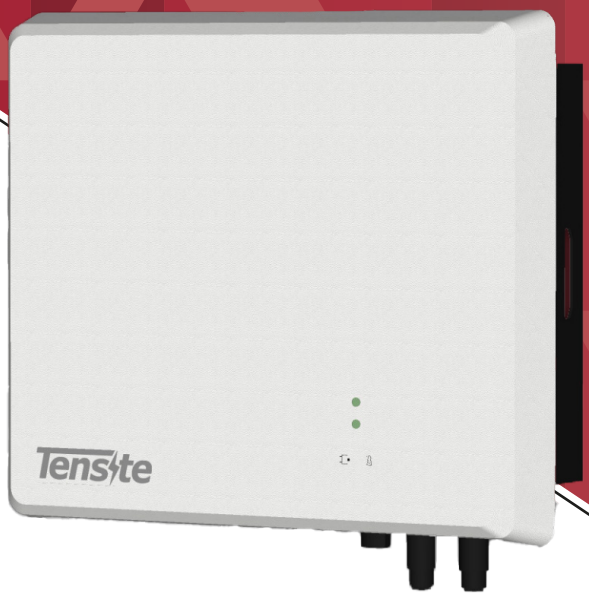
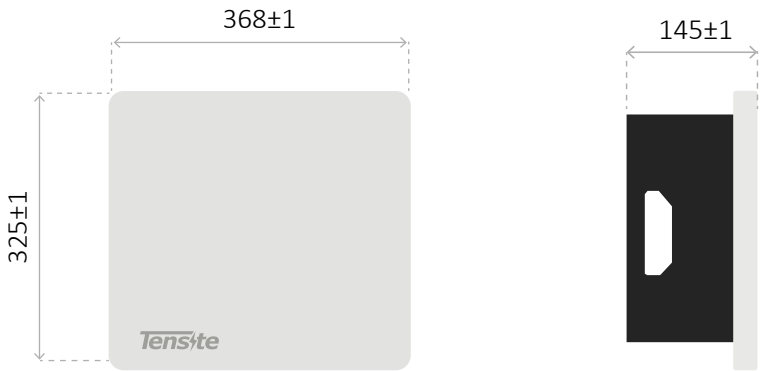
AR6M-2



CHARACTERISTICS

- Easy installation
- Reliable
- Easy to use

MEASURES



Tensite
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Entrance photovoltaic	Max power of the photovoltaic array	9000Wp STC
	Maximum input voltage	600V
	MPP voltage range/rated input voltage	60V a 560V/360V
	Minimum input voltage/start voltage	60V / 100V
	Number of independent MPPT trackers /strings per MPPT input	2 / 1
	Maximum Input Current per MPPT	16A
	Maximum short circuit current per MPPT	24A
AC output	AC voltage range	180V a 295V
	AC rated voltage	220V/230V/240V
	Feeding phases	1
	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]
	Adjustable power factor range	1/0.8 ahead - 0.8 behind
	Maximum output current of the network	30A
	THDi harmonics (at rated power)	<= 3%
Efficiency and protection of security	Maximum efficiency/European efficiency	97.8% / 97.5%
	DC side disconnect device	●
	DC reverse polarity protection/ AC short circuit protection	● / ●
	Omnipolar residual current monitoring unit	●
	Isolation Protection	●
	Night monitoring	○
	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)	368/ 325 / 145 mm
	Device Weight	9.5 kg
	Operating temperature range	-25 °C ... +60 °C
	Topology	No insulation
	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	4000 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
	Ceetificates and authorizations (others upon request)	AS/NZS 4777.2,IEC 62109-1/2, IEC 61727, IEC 62116, 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 seting 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 at nominal conditions.
   All information is subject to change.