



Easy to install



Reliable

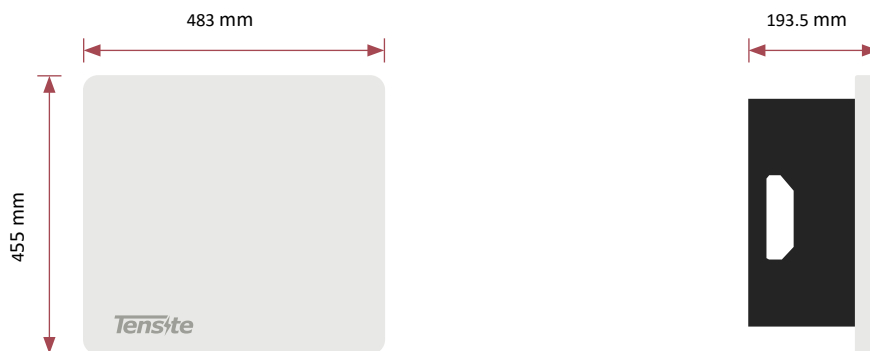


User friendly



10 Years Product Warranty

DIMENSIONS



PV Input	Max. PV array power	5500 Wp STC
	Max. input voltage	550 V
	MPPT voltage range/ Rated input voltage	40 V a 530 V / 380 V
	Min. input voltage/ Start voltage	40 V / 50 V
	No. of independent MPPT trackers/ Strings per MPPT input	2/1
	Max. input current per MPPT tracker	16 A
Battery Input	Max. short-circuit current per MPPT tracker	20 A
	Nominal battery voltage	48 V / 51.2 V
	Battery voltage range	40 V a 60 V
	Max. charging current/ Max. discharging current	100 A / 100 A
Battery type	LiFePO4	
AC output	AC voltage/ Nominal AC voltage	230 V / 180 V a 280 V
	Rated AC grid frequency	50Hz / 60Hz
	AC grid frequency range	50 Hz ±5Hz 60 Hz ±5Hz
	Rated active power	3000 W*1
	Rated apparent power	3000 VA*1
	Max. apparent power	3000 VA*1
	Rated grid output current (@230V)	13.1 A*2
	Max. grid output current	13.6 A*2
Harmonics THDi (@Nominal power)	< 3%	
AC input	Rated grid voltage	a.c. 230 V
	Rated grid frequency	50Hz / 60Hz
	Rated apparent power	6000 VA
	Max. input apparent power from grid	6000 VA
	Rated input current from grid	a.c. 26.1 A
	Max. input current from grid	a.c. 27.3 A
EPS Output	Nominal output voltage	230 V
	Nominal output frequency	50Hz / 60Hz
	Rated apparent power	5000 VA
	Max. output apparent power	5000 VA
	Peak output apparent power	7500 VA, 10s
	Rated current (@230V)	21.7 A
	Max. output current	21.7 A
	Max. switch time	≤10 ms
Output THDi (@ lineard load)	< 3%	
Efficiency	MPPT efficiency	99.9%
	Euro efficiency/ Max. efficiency	97.6% / 97%
	Max. battery to load efficiency	94.7%
Safety Protection	DC-side disconnection device	●
	PV string / Battery input reverse polarity protection	● / ●
	All-pole sensitive residual current monitoring unit	●
	Anti-islanding protection	●
	Ground fault protection	●
	AC output over current / Short circuit current protection	● / ●
	AC over voltage protection	●
	Protection class (as per IEC 62109-1) / Overvoltage category (as per IEC 62109-1)	I / AC: III; DC: II
General Data	Power factor at rated power / Adjustable displacement	≥0.99/0.8 leading - 0.8 lagging
	Dimensions (W/H/L/)	483 / 455 / 193.5 mm
	Device weight	25.1 kg
	Operating temperature range	-25°C ... +60°C
	Noise emissions (typical)	30 dB (A)
	Standby consumption	< 10 W
	Cooling concept	Natural convection
	Degree of protection (as per IEC 60529)	IP66
	Climatic category (according to IEC 60721-3-4)	4K4H
	Max. permissible value for relative humidity (non-condensing)	100%
Max. operating altitude	4000 m (> 3000 m power reduction)	
Features	User interface	LED & App
	Communication with BMS	RS485 / CAN
	Communication with Meter	RS485
	Communication with portal	Dongle Wi-Fi
	Other communication	DRM
	Integrated power control / Zero export control	● / ●
	Shade control	●

● Standard features

○ Optional features

- Not available

*1 For VDE-AR-N4105, Smax=Sn=4600VA, Pn=4600W

*2 For AS/NZS4777.2, Iac max=21.7A

