



Easy to install



Higher yields



User friendly



10 Years Product Warranty

DIMENSIONS



Input (DC)	Max. PV array power	150000 Wp STC
	Max. input voltage	1100 V
	MPPT voltage range / Rated input voltage	200 V a 1000 V / 630 V
	Min. input voltage / Initial feed-in voltage	200 V / 250 V
	No. of independent MPPT inputs/ Strings per MPPT input	10/2
	Max. operating input current	32 A
	Max. short circuit current	48 A
Output (AC)	AC voltage range	312 V a 528 V
	AC nominal voltage	220 V / 380 V
	Feed-in 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	100000 W
	Rated apparent power	110000 VA
	Max. apparent power	0.8 leading - 0.8 lagging
	Adjustable power factor range	144.3 A
	Max. output current	158.8 A
	Harmonic distortion (THD) at rated output	< 3%
Efficiency & Protection	Max. efficiency / European efficiency	98.6% / 98.2%
	DC Switch	●
	DC reverse polarity protection / AC short circuit protection	● / ●
	All-pole-sensitive residual-current monitoring unit	●
	Anti-islanding protection	●
	Ground fault monitoring / Grid monitoring	● / ●
	DC / AC overvoltage protection	Type II / Type II
Protection class (according to IEC 62109-1) / Overvoltage category (according to IEC 62109-1)	I / AC: III; DC: II	
General Data	Dimensions (W/H/D)	984 / 640 / 330 mm
	Weight	86 kg
	Operating temperature range	-25°C ... +60°C
	Topology	Non-isolated
	Self-consumption (at night)	< 3 W
	Cooling concept	Active cooling
	Degree of protection (according to 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
EMC	Class B	
Features	Communication interface	● / ● / ○ / ○ / (RS485 / Wi-Fi / LAN / 4G)
	LED indicators (Status/Fault/Communication)	●
	DC connection	DC Plug-in connector
	AC connection	Terminal OT/DT (max. 240 mm ²)
	Modbus-Sunspec protocol	●
	Certificates and approvals (more available on request)	CE, IEC 62109-1/2, IEC 61727, IEC 62116, IEC61683, EN50549-1/2, VDE4105

● Standard features ○ Optional features - Not available

1. Zero export installations supported with 2-pin RS485 for connection to approved smart meters.
2. DRED supported with RS485 communication for Australia & New Zealand.
3. The overload setting is disabled as default for AS/NZS4777 grid codes.
4. For European and AS/NZS4777 grid codes the max. apparent AC power is equal to the rated power.
Data at nominal conditions.
All information is subject to change.