

Input (DC)

Max. input voltage	1100V				
Rated input voltage	625V	625V	725V	725V	785V
Start-up voltage	200V				
MPPT operating voltage range	180V-1000V				
Full power MPPT voltage range	500V-850V	500V-850V	550V-850V	550V-850V	550V-850V
Number of MPP trackers	10	10	10	10	12
Number for DC inputs	20	20	20	20	24
Max. input current per MPPT	26A				
Max. input short circuit current per MPPT	40A				

Output (AC)

Rated power	100kW	110kW	100kW	125kW	136kW
Max. AC power	110kVA	121kVA	110kVA	137kVA	150kVA
Max. output current	160A	175A	128A	160A	160A
Nominal grid voltage	3/N/PE, 230V/400Vac, 220V/380Vac		3/PE, 500Vac	3/PE, 500Vac	3/PE, 540Vac
Grid voltage range	310Vac-480Vac	310Vac-480Vac	400Vac-575Vac	400Vac-575Vac	432Vac-621Vac
Nominal frequency	50/60Hz				
Grid frequency range	45Hz-55Hz/54Hz-66Hz (According to local standard)				
Active power adjustable range	0~100%				
THDi	< 3%				
Power factor	1 default (adjustable +/-0.8)				

Performance

Max. Efficiency	98.70%	98.75%	98.80%	99.00%	99.00%
European weighted efficiency	98.30%	98.30%	98.50%	98.50%	98.51%
MPPT efficiency	>99.9%				

Protection

DC reverse polarity protection	Yes
Anti-islanding protection	Yes
Leakage current protection	Yes
Ground fault monitoring	Yes
PV-array string fault monitoring	Yes
Zero voltage ride through	Yes
DC switch	Yes
Anti-PID protection	Optional
AFCI	Optional
Protection class/ Overvoltage category	I/III
Input/ Output SPD	PV: type II standard, AC: type II standard

Communication

Power management unit	According to certification and request
Communication	RS485, Optional: WiFi/GPRS/PLC
Operation data storage	25 years

General Data

Ambient temperature range	-30°C ~ +60°C				
Topology	Transformerless				
Degree of protection	IP66				
Allowable relative humidity range	0~100%				
Max. operating altitude	4000m				
Weight	90kg	90kg	90kg	90kg	92kg
Cooling	Smart forced air cooling				
Dimension	995.5*663.5*368mm				
Display	LCD&Bluetooth+APP				
Warranty	5 years/ 7 years/ 10 years				

Standard

EMC	EN 61000-6-2, EN 61000-6-4				
Safety standard	IEC62109-1/2, IEC62116, IEC61727, IEC-61683, IEC60068(1,2,14,30)				
Grid standard	AS/NZS 4777, VDE V 0124-100, V 0126-1-1, VDE-AR-N 4105, CEI 0-21/CEI 0-16, UNE 206 007-1, EN50549, G99, EN50530, NB/T32004				