

ITEMS	EVVO 80KTL	EVVO 100KTL	EVVO 100KTL-HV
Input (DC)			
Max. PV input voltage		1100V	
Rated input voltage	625V	625V	725V
Start-up voltage		200V	
MPPT operating voltage range		180V-1000V	
Full power MPPT voltage range	500V-850V	500V-850V	550V-850V
Number of MPP trackers	8	10	10
Number for DC inputs	16	20	20
Max. input MPPT current		26A	
Max. input short circuit current		40A	
AC Output			
Rated power	80kW	100KW	100KW
Max. AC apparent power	88kVA	110KVA	110KW
Max. output current	128A	160A	128A
Nominal grid voltage	3/N/PE, 230V,400Vac,220V/380Vac		3/PE,288V/500Vac
Grid voltage range		310Vac-480Vac	400Vac-575Vac
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	Idefault (adjustable+/-0.8)		
Performance			
Max. Efficiency	98.60%	98.70%	98.80%
European weighted efficiency	98.20%	98.30%	98.50%
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	Transformer-less		
Degree of protection	IP66		
Allowable relative humidity range	0-100%		
Max. operating altitude	4000m		
Noise	≤60 dB		
Weight	72kg	84kg	72kg
Cooling	Smart forced air cooling		
Dimension	1051*660*340mm		
Display	LCD , Bluetooth+APP		
Warranty	10 years		
Standard			
EMC	EN 61000-6-2, EN 61000-6-4, EN 61000-3-11, EN 61000-3-12		
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, BDEW, CEI 0-21/CEI 0-16, UNE 206 007-1, EN50438/EN50549, 659, EN50530, NB/T32004		

* The specifications are subject to change without notice