



Warranty

EVVO

The SOLAR Experts



High Performance



High Efficiency



* Color for reference only
Can change as per final design

EVVO 80KTL / 100KTL / 100KTL-HV

Features

- Max. efficiency up to 99%
- Remote firmware upgrade
- Outdoor IP66 protection level
- I-V curve scanning function
- Type II SPD for both DC and AC
- Maximum 12MPPT trackers 1.5*DC overload
- Support Modbus communication, external Wifi/PLC/GPRS (optional)
- AC/DC dual power supply redundant design, 24-hour status monitoring

Datasheet	EVVO 80KTL	EVVO 100KTL	EVVO 100KTL-HV
Input (DC)			
Max. 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 current per MPPT		26A	
Max. input short circuit current per MPPT		40A	
Output (AC)			
Rated power	80kW	100kW	100kW
Max. AC power	88kVA	110kVA	110kVA
Max. output current	128A	160A	128A
Nominal grid voltage		3/N/PE, 230V/400Vac, 220V/380Vac	3/PE, 500Vac
Grid voltage range	310Vac-480Vac	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		1default (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		Transformerless	
Degree of protection		IP66	
Allowable relative humidity range		0-100%	
Max. operating altitude		4000m	
Weight	88kg	90kg	90kg
Cooling		Smart forced air cooling	
Dimension		995.5*663.5*368mm	
Display		LCD&Bluetooth+APP	
Warranty		8 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	

Authorized Dealer

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