

EVVO

The **SOLAR** Experts

EVVO 255KTL

THREE-PHASE - TWELVE MPPTS



High Performance



High Efficiency



Warranty



* Color for reference only
Can change as per final design

PID

PID BUILT-IN ANTI-PID & PID RECOVERY



IP66 & C5 PROTECTION



TYPE II SPD FOR BOTH DC & AC



TOUCH FREE COMMISSIONING & REMOTE FIRMWARE UPGRADE



AC / DC DUAL POWER SUPPLY REDUNDANT DESIGN, 24-HOUR STATUS MONITORING



COMPATIBLE WITH AL AND CU AC CABLES



IV CURVE SCAN AND DIAGNOSIS



12*MPPT WITH MAX. EFFICIENCY 99.02%

ITEMS		EVVO 255KTL
Input (DC)		
Max. PV input voltage		1500V
Rated input voltage		1080V
Start-up voltage		500V
MPPT operating voltage range		500V-1500V
Full power MPPT voltage range		800V-1300V
Number of MPP trackers		12
Number for DC inputs		24
Max. input MPPT current		30A*12
Max. input short circuit current		50A*12
AC Output		
Rated power		255kW
Max. AC apparent power		255kVA@30°C / 230kVA@45°C / 220kVA@50°C
Max. output current		184A
Nominal grid voltage		3/PE, 800Vac
Grid voltage range		640Vac-920VVac
Nominal frequency		50 / 60Hz
Grid frequency range		45~55Hz / 55~ 65Hz (According to local standard)
Active power adjustable range		0~100%
THDi		<3%
Power factor		1default (adjustable+/-0.8)
Performance		
Max. Efficiency		99.02%
European weighted efficiency		98.50%
Self-consumption at night		<2W
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		Yes
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 /USB /Bluetooth, Optional: WiFi /GPRS /PLC
Operation data storage		25 years
General Data		
Ambient temperature range		-30°~+60°
Topology		Transformerless
Degree of protection		IP66
Allowable relative humidity range		0~100%
Max. operating altitude		4000m
Noise		≤60 dB
Weight		100kg
Cooling		Smart forced air cooling
Dimension		1051*660*340mm
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, 699, EN50530, NB/T32004

* The specifications are subject to change without notice

Authorized Dealer