

EVVO 1100/1600/2200/2700/3000/3200 TL-AV

Single-Phase Single-MPPT

Datasheet	EVVO 1100TL-AV	EVVO 1600TL-AV	EVVO 2200TL-AV	EVVO 2700TL-AV	EVVO 3000TL-AV	EVVO 3200TL-AV
Input (DC)						
Recommended PV input power	1500W	2200W	3000W	3700W	4100W	4500W
Max. Input voltage	500V	500V	500V	550V	550V	550V
Aux. Open voltage				60V		
Start-up input voltage				70V		
Rated input voltage				360V		
MPPT voltage range	50-500V	50-500V	50-500V	50-550V	50-550V	50-550V
Full load DC voltage range	110-450V	150-450V	200-450V	250-500V	275-500V	300-500V
Max. Input current MPPT				12A		
Maximum DC input short circuit current per MPPT				15A		
Number of MPPT/ String per MPPT				1/1		
Input terminal type				MC4/H4		
Output (AC)						
Rated power	1100W	1600W	2200W	2700W	3000W	3300W
Max. AC power	1100VA	1600VA	2200VA	2700VA	3000VA	3300VA
Rated Output current	4.8A	7A	9.6A	11.8A	13A	14.3A
Max. Output current	5.3A	7.7A	10.6A	13A	14.5A	16A
Nominal grid voltage				L/N/PE, 220Vac, 230Vac, 240Vac		
Grid voltage range				180Vac-276Vac (According to local standard)		
Nominal frequency				50Hz/60Hz		
Grid frequency range				45-55Hz/54-66Hz (According to local standard)		
THDi				<3%		
Power factor				1 default (adjustable +/- 0.8)		
Efficiency						
Max. Efficiency	97.5%	97.5%	97.5%	97.7%	97.7%	97.7%
European weighted efficiency	96.9%	96.9%	96.9%	97.2%	97.2%	97.2%
MPPT adaptation efficiency				> 99.9%		
Protection						
Anti-islanding protection				Yes		
DC reverse polarity protection				Yes		
Over temp protection				Yes		
Leakage current protection				Yes		
Over voltage protection				Yes		
Over current protection				Yes		
Earth fault protection				Yes		
SPO				MOV: Type III standard		
Communication						
Standard communication mode				R5485, WiFi/GPRS/Ethernet(optional), USB		
Operation data storage				25 Years		
General Data						
Topology				Transformerless		
Ambient temperature range				-30°C~+60°C		
Allowable relative humidity range				0-100%		
Noise				<25dB		
DC switch				optional		
Cooling				Natural convection		
Max. Operating altitude				2000m		
Dimension		303*260.5*118mm			321*260.5*131.5mm	
Support bracket				Wall-mounted		
Weight		5.5kg			6.3kg	
Display				LCD+LED		
Degree of protection				IP65		
Warranty				10 years		
Standard						
EMC				EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4,		
Safety standards				IEC 62116, IEC 61727, IEC 61683, IEC 60068 1,2,14,30 , IEC 62109-1/2		
Grid standards				AS 4777, VDE V 0124-100, VDE V 0126-1-1, VDE-AR-N 4105, EN 50438, G83/2, C10/11, RD 1699		