



SINGLE PHASE ON-GRID PV INVERTER

FEATURES

- New elegant die-casting enclosure design
- Up to 98% conversion efficiency
- Anti-corrosion and weather-resistant paint on surface
- Free for lifetime use of PrimeVOLT cloud monitoring system
- Automatic independent or parallel PV DC input check
- Manufactured in Taiwan

SPECIFICATIONS

Item	Scale	PV-3000S-V	PV-3600S-V	PV-5000S-V	PV-5000S-HV
Input (DC)					
Maximum Voltage	V	600		1000	
MPPT Working Range	V	70 ~ 580		150 ~ 980	
MPPT Range (Full Load)	V	240 ~ 520	360 ~ 520	240 ~ 520	500 ~ 800
Feed-In Voltage	V	90		250	
Maximum Current	A	12.5	11.0	11.0 x 2	11.5
Maximum Short Circuit Current	A	15		15 x 2	15
MPP Tracker No.		1		2	1
Input Pairs		1	1	2	1
DC Switch		Built-in			
Connector type		MC4			
Output (AC)					
Nominal Power	W	3000	3600	5000 / 4600 *	
Maximum Apparent Power	VA	3300	3960	5500 / 4600 *	
Maximum Current	A	14.3	17.2	23.8	
Nominal Voltage	V	220/230/240			
Nominal Frequency	Hz	50/60			
Connector type		Industrial type			
Efficiency					
Maximum Efficiency	%	97.8	97.8	98	98
Euro-eta	%	97	97.2	97.2	97.5
General					
Dimension (W x H x D)	mm	285 x 336 x 125	285 x 336 x 125	335 x 426 x 125	335 x 426 x 125
Weight	kg	9	9	13	13
Operating Temperature	°C	-25 ~ 60			
Topology		Transformerless			
Ingress Protection		IP66			
Humidity	%	0 ~ 100, non-condensing			
Noise	dB	25(typical)			
Cooling		Natural cooling			
Max. Operating Altitude	m	4000			
Display & Communication					
Display		LCD			
RS485		Standard, Half-duplex			
Wi-Fi		Optional			
Certification & Compliance					
Grid Code		VDE 0126-1-1/A1, VDE-AR-N 4105, CEI-021, AS4777, G83/2, G59/3, PEA, MEA			
Safety		IEC 62109-1, IEC 62109-2			
EMC Emission		EN 61000-6-3/-4	EN 61000-6-3/-4		EN 61000-6-3
		EN 61000-3-2	EN 61000-3-11		EN 61000-3-11
		EN 61000-3-3	EN 61000-3-12		EN 61000-3-12
EMC Immunity		EN 61000-6-1/-2			EN 61000-6-2

* For VDE-AR-N 4105

** Specifications are subject to change without prior notice.

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