



SINGLE PHASE ON-GRID PV INVERTER

FEATURES

- Die-Casting Enclosure and excellent design for thermal cooling
- Anti-corrosion and weather-resistant paint on surface
- Certified for salt spray test IEC 60068-2-52 : 2017 severity 5
- Free for lifetime use of PrimeVOLT cloud monitoring system
- Automatic independent or parallel PV DC input check
- Designed and manufactured in Taiwan

SPECIFICATIONS

Item	Scale	PV-3000N-V	PV-3600N-V	PV-5000W-V	PV-5000W-HV
Input (DC)					
Maximum Voltage	V	600		1000	
MPPT Working Range	V	100 ~ 580		180 ~ 980	
MPPT Range (Full Load)	V	290 ~ 500		500 ~ 800	
Start-Up Voltage	V	130		150	260
Maximum Current	A	11.5	13.0	11.5 x 2	11.5
Maximum Short Circuit Current	A	15		15 x 2	14
MPP Tracker No.		1		2	1
Output (AC)					
Nominal Power	W	3000	3600	5000 / 4600*	
Maximum Apparent Power	VA	3400	4000	5600 / 4600*	
Nominal Voltage	V	220/230/240			
Nominal Frequency	Hz	50/60			
Maximum Current	A	15.0	18.0	25.5 / 23.0*	
Efficiency					
Maximum Efficiency	%	97.2	97.7	97.2	97.9
Euro- eta	%	96.4	97.0	96.1	97.4
General					
Operating Temperature	°C	-25 ~ 60			
Topology		Transformerless			
Protection		IP65			
Humidity	%	0 ~ 100, non-condensing			
Cooling		Convection			
Features					
LCD		1602 Character Display			
RS485		Standard, Half-duplex			
Wi-Fi		Optional by USB dongle (Type of dongle is specified by PrimeVOLT)			
Data Logging		Yes			
Mechanical					
Dimension (W x H x D)	mm	330 x 375 x 196	330 x 375 x 196	418 x 485 x 196	330 x 375 x 196
Weight	kg	12	12	22	15
Input Pairs		1	1	2	1
DC Switch		Built-in			
Certification & Regulation					
Grid Monitoring		VDE 0126-1-1/A1, VDE-AR-N 4105, G83/2, G59/3, PEA, MEA, NB/T 32004			
Safety		IEC 62109-1, IEC 62109-2			
EMC Emission		EN 61000-6-3		EN 61000-6-3	EN 61000-6-4
		EN 61000-3-2/-3		EN 61000-3-11/-12	EN 61000-3-11/-12
		AS/NZS 61000.6.3		AS/NZS 61000.6.3	AS/NZS 61000.6.4
EMC Immunity		EN 61000-6-2			

* For VDE-AR-N 4105

** Specifications are subject to change without prior notice. No de-rating when PF=0.9

PrimeVOLT Co., Ltd.

Address : 12F., No.97, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City 22175, TAIWAN

TEL:+886-2-2697-5559

E-Mail: contact_pv@apd.com.tw



www.primevolt.com