



## 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
<b>Input (DC)</b>					
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
Input Pairs		1	1	2	1
MPP Tracker No.		1		2	1
DC Switch		Built-in			
Connector type		MC4			
<b>Output (AC)</b>					
Nominal Power	W	3000	3600	5000 / 4600 *	
Maximum Apparent Power	VA	3400	4000	5600 / 4600 *	
Maximum Current	A	16	19	26 / 23 *	
Nominal Voltage	V	220/230/240			
Nominal Frequency	Hz	50/60			
Connector type		Terminal block			
<b>Efficiency</b>					
Maximum Efficiency	%	97.2	97.7	97.2	97.9
Euro- eta	%	96.4	97.0	96.1	97.4
<b>General</b>					
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
Operating Temperature	°C	-25 ~ 60			
Topology		Transformerless			
Ingress Protection		IP65			
Humidity	%	0 ~ 100, non-condensing			
Cooling		Natural cooling			
Maximum Operating Altitude	m	4000			
<b>Display &amp; Communication</b>					
Display		LCD			
RS485		Standard, Half-duplex			
Wi-Fi		Optional by USB dongle ( Dongle type is specified by PrimeVOLT )			
Data Logging		Yes			
<b>Certification &amp; Compliance</b>					
Grid Code		VDE 0126-1-1/A1, VDE-AR-N 4105, G83/2, G59/3, PEA, MEA			
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

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