



SINGLE PHASE ON-GRID PV INVERTER

FEATURES

- VDE-AR-N 4105 & VDE 0126-1-1/A1 & PEA & MEA Certificate
- >97.7 % Conversion Efficiency
- Integrated DC Switch, Data Logger, Web Server
- RCR (Ripple Control Receiver, German model)
- Ethernet and Optional Wi-Fi
- Cloud Web Portal
- Die-cast Enclosure
- Graphic Icon Display
- Optimized for 6" Solar Cell Module
- Made In TAIWAN



SPECIFICATIONS

Item	Scale	PV-3000N-V	PV-4000W-V	PV-5000W-V	PV-5000W-HV
Input (DC)					
MPPT Working Range	V	100 ~ 580	100 ~ 450	100 ~ 580	180 ~ 980
MPPT Range (Full Load)	V	315 ~ 500	240 ~ 400	290 ~ 500	550 ~ 800
Start-Up Voltage	V	130	150	150	250
Max. Voltage	V	580	450	580	980
Max. Current	A	10	18	9 x 2	10
Max. Short Circuit Current Isc	A	15	24	15 x 2	14
MPP Tracker No.		1	1	2	1
Output (AC)					
Nominal Power	W	3000	4000	5000 / 4600 ^{* 1}	
Nominal Voltage	V	230 @ 50Hz ; 220 @ 60Hz			
Maximum Current	A	14.3	19	23.8 / 21.9 ^{* 1}	
Efficiency					
Max. Efficiency	%	97.2	97.1	97.2	97.7
Euro- Eta	%	96.4	96.3	96.1	97.3
General					
Temp. Range	°C	-20 ~ 55			
Topology		Transformerless			
Protection		IP65			
Humidity	%	0 ~ 100			
Cooling		Convection			
Features					
Display		Icon Graphic Display			
RS485		Standard, Half-duplex			
Wi-Fi		Optional by USB dongle			
Data Logging		Yes			
Mechanical					
W x H x D	mm	330 x 375 x 196	330 x 485 x 190	418 x 485 x 190	330 x 383 x 218
Weight	kg	12	16	22	15
Input Pairs		1	2	2	1
DC switch		Optional			
Certification & Regulation					
Grid Monitoring		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 61000-3-2 EN 61000-3-3 AS/NZS 61000.6.3	EN 61000-6-3, EN 61000-3-11, EN 61000-3-12, AS/NZS 61000.6.3		EN 61000-6-3/-4 EN 61000-3-11 EN 61000-3-12 AS/NZS 61000.6.3/4
EMC Immunity		EN 61000-6-2			

^{* 1} For VDE 4105

* Specifications are subject to change without prior notice

PrimeVOLT Co., Ltd.

ADD: 11F., No.211, Nanyang St., Xizhi Dist., New Taipei City 221, TAIWAN
TEL:+886-2-2695-5388

FAX:+886-2-2693-1009

www.primevolt.com

E-Mail: contact_pv@apd.com.tw