



## SINGLE PHASE ON-GRID PV INVERTER

### FEATURES

- Die-Cast Enclosure
- Durable & Light Weight Design
- >98% Conversion Efficiency
- Cloud Web Portal
- The Best Choice for Residential Roofing Type and Small Power Plants  
( Low Noise, Convection Cooling on Design )



## SPECIFICATIONS

Item	Scale	PV-3000E-V	PV-5000E-V
<b>Input ( DC )</b>			
MPPT Working Range	V	70 ~ 600	
MPPT Range ( Full Load )	V	240 ~ 520	
Start-Up Voltage	V	90	
Max. Voltage	A	12.5	10.4 x 2
Max. Current	A	15	15 x 2
MPP Tracker No.		1	2
I <sub>SC</sub> PV		1.3 ( Max )	
<b>Output ( AC )</b>			
Nominal Power	W	3000	5000
Nominal Voltage/Frequency	V	220/230/240 ; 50/60 Hz	
Maximum Current	A	14.3	23.8
<b>Efficiency</b>			
Max. Efficiency	%	97.8	98
Euro- Eta	%	97	97.2
<b>General</b>			
Temp. Range	°C	-25 ~ 60	
Topology		Transformerless	
Protection		IP65	
Humidity	%	0 ~ 100	
Cooling		Convection	
Noise		25dB	
<b>Communication Interface &amp; Display</b>			
Display		LED	
Communication		RS485	
<b>Mechanical</b>			
W x H x D	mm	285 x 336 x 125	335 x 426 x 125
Weight	kg	9	13
Input Pairs		1	2
DC Switch		Built-In	
<b>Certification &amp; Regulation</b>			
Grid Monitoring		VDE-AR-N 4105, NB/T 32004	
Safety		IEC 62109-1, IEC 62109-2	
EMC Emission		EN 61000-6-3/-4	EN 61000-6-3/-4
		EN 61000-3-2	EN 61000-3-11
		EN 61000-3-3	EN 61000-3-12
EMC Immunity		EN 61000-6-2	

\* Specifications are subject to change without prior notice

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