



THREE 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-10000T-U	PV-15000T-U	PV-20000T-U	PV-30000T-U	PV-40000T-U
Input (DC)						
Maximum Voltage	V	1000				1100
MPPT Working Range	V	180 ~ 980				180 ~ 1000
MPPT Range (Full Load)	V	500 ~ 850		500 ~ 780		625 ~ 850
Feed-In Voltage	V	260				
Maximum Current	A	11.5 x 2	23 x 1 / 11.5 x 1	23 x 2	35 x 2	35 x 2
Max. Short Circuit Current	A	14 x 2	28 / 14	28 x 2	42 x 2	42 x 2
Input Pairs		2	3	4	6	6
MPP Tracker No.		2				
DC Switch		Built-in				
Connector type		MC4				
Output (AC)						
Nominal Power	W	10000	15000	20000	30000	40000
Max. Apparent Power	VA	11200	16700	22300	33400	44500
Maximum Current	A	17	26	34	51	54
Nominal Voltage	V	220/380 ; 230/400 ; 240/415				277/480
Nominal Frequency	Hz	50/60				
Connector type		Terminal block				
Efficiency						
Maximum Efficiency	%	98.3	98.3	98.4	98.5	98.5
Euro-eta	%	98.0	98.1	98.1	98.2	98.2
General						
Dimension (W x H x D)	mm	418 x 485 x 196		461 x 485 x 306		
Weight	kg	24	27	42	53	53
Operating Temperature	℃	-25 ~ 60				
Topology		Transformerless				
Ingress Protection		IP66				
Humidity	%	0 ~ 100, non-condensing				
Cooling		Forced Air-Cooling				
Max. Operating Altitude	m	4000				
Display & Communication						
Display		LCD				
RS485		Standard, Half-duplex				
Wi-Fi		Optional by USB dongle (Dongle type is specified by PrimeVOLT)				
Data Logging		Yes				
Certification & Compliance						
Grid Code		VDE 0126-1-1/A1, VDE-AR-N 4105, PEA, MEA, AS/NZS 4777.2:2015				VDE-AR-N 4105
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				

** Specifications are subject to change without prior notice*

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