



SOLAR ENERGY

On-Grid Solar Inverter

5KW

VT-6605310 SKU: 11381

8KW

VT-6608310 SKU: 11382

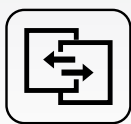
10KW

VT-6610310 SKU: 11383

10 YEAR
WARRANTY



2 MPP Trackers



160% DC Input
Oversizing



Smart I-V Curve
Diagnosis Supported



DC&AC Type II SPD



Intelligent Fault
Detection



AFCI
Function
(Optional)



IP66

V-TAC[®]
INNOVATIVE LED LIGHTING



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SOLAR ENERGY

	MODEL	VT-6605310	VT-6608310	VT-6610305
Input (DC)	Max. Input Power	8kW	12.8kW	16kW
	Max. Input Voltage	1100V		
	Start Voltage	160V		
	Rated Input Voltage	600V		
	Full-load MPP Voltage Range	250V ~ 850V	320V ~ 850V	450V ~ 850V
	MPPT Voltage Range	180V ~ 1000V		
	Number of MPP Trackers	2		
	Number of String per MPPT	1 / 1		
	Max. Current per MPPT	14A / 14A		
	Max. Short Circuit Current per MPPT	18A / 18A		
Output (AC)	Max. Output Current	8A	12.8A	15.9A
	Rated Output Power	5kW	8kW	10kW
	Max. Output Power	5.5kVA	8.8kVA	11kVA
	Rated Grid Frequency	50Hz / 60Hz		
	Rated Grid Voltage	230Vac / 400Vac, 3L / N / PE		
	Power Factor	>0.99 (0.8 leading-0.8 lagging)		
	THDi	<3% (Rated Power)		
Efficiency	Max. Efficiency	98.4%	98.7%	
	European Efficiency	98.3%	98.5%	
	MPPT Efficiency	99.9%		
Protection	DC reverse polarity protection	Yes		
	Anti-islanding protection	Yes		
	AC short circuit protection	Yes		
	Residual current monitoring unit	Yes		
	Insulation resistance monitoring	Yes		
	Ground fault monitoring	Yes		
	Grid monitoring	Yes		
	Surge protection	Type II		
	AFCL protection	Optional		
Communication	Display	LED / LCD (Optional)		
	Communication	Standard : RS485 / USB Optional : WiFi / GPRS / Ethernet		
Standard Compliance	Grid Connection Standards	IEC 61727, IEC 62116, IEC 60068, IEC 61683, VDE-AR-N 4110:2018, VDE-AR-N 4105:2018, VDE-AR-N 4120:2018, EN 50549, AS/NZS 4777.2:2015, CEI 0-21, VDE 0126-1-1/A1 VFR 2014, UTE C15-712-1:2013, DEWA DRRG, NRS 097-2-1, MEA/PEA, C10/11, G98/G99		
	Safety / EMC	IEC 62109-1:2010, IEC 62109-2:2011, EN 61000-6-2:2005, EN 61000-6-3:2007/A1:2011		
General Data	Dimensions (W x H x D)	481 x 395 x 195 mm		
	Weight	12kg	13.5kg	
	Operating Temperature Range	-25°C ~ +60°C		
	Cooling Method	Natural		
	Protection Degree	IP66		
	Max. Operating Altitude	4000m		
	Relative Humidity	0 ~ 100%		
	Topology	Transformerless		
	Night Power Consumption	<1W		
	Warranty	10 years		

