



VoltAh (E) Series - 3rd Gen Three Phase Solar GTI

VTE - 5.0KW / 6.0KW / 8.0KW / 10.0KW /
12.0KW / 15.0KW / 20.0KW / 25.0KW

-  Big LCD display
-  Compact and easy to install
-  Power export limit
-  Wifi / GPRS / Lan communication

-  Ultra Stable
-  Super GTI
-  Great Reliability
-  Wide Range



Smart Energy Solutions For Your Better Future

THREE PHASE SOLAR GRID TIED INVERTER

Technical Datasheet

Model No	VTE - 5	VTE - 6	VTE - 8	VTE - 10	VTE - 12	VTE - 15	VTE - 20	VTE - 25
Input (DC)								
Max DC power (W)	6500W	7500W	9500W	11500W	18000W	22500W	30000W	30000W
Max DC voltage (Vdc)				1000Vd.C			1000Vd.C	
Min working voltage (Vdc)				250Vd.C			250Vd.c.	
MPPT voltage range(Vdc)				250...850Vd.C			250..850Vd.c.	
Max. input current / Per string (A)				18A/18A			26A/26A	36A/26A
Max.input short circuit per MPPT				25A/25A			34A/34A	46A/34A
Number of MPP trackers				2			2	
Strings per MPP tracker				1			2	
Output (AC)								
AC nominal power (W)	5000	6000	8000	10000	12000	15000	20000	25000
Max AC apparent power (VA)	6000	7000	8800	11000	13200	16500	22000	27500
Max output current (A)	10	12	15	17	20	23	30	41.6
Nominal AC output				50/60 Hz; 400 Vac			50/60 Hz; 400 Vac	
AC output range				45/55 Hz ; 280 ~ 490 Vac (Adj)			45/55 Hz ; 280 ~ 490 Vac (Adj)	
Power factor				0.8leading...0.8laging			0.8leading...0.8laging	
Harmonics				< 5%			< 1.5%	
Grid type				3 W/N/PE			3 W/N/PE	
Efficiency								
Max efficiency	98.2%	98.2%	98.3%	98.4%	98.4%	98.4%	98.5%	98.5%
Euro efficiency	97.7%	97.7%	97.8%	97.9%	97.9%	98.0%	98.1%	98.2%
MPPT efficiency	99.17%	99.17%	99.17%	99.17%	99.17%	99.17%	99.17%	99.17%
Safety and Protection								
DC reverse-polarity protection						Yes		
DC breaker						Yes		
DC/AC SPD						Yes		
Leakage current protection						Yes		
Insulation Impedance Detection						Yes		
Residual Current protection						Yes		
General Parameters								
Dimension (L/W/H)(mm)				480*476*157			520*510*160	
Weight (kg)				16			23	
Operating temperature range °C						-25 ~ +60		
Degree of protection						IP65		
Cooling concept						Smart Cooling		
Topology						Transformerless		
Display						LCD		
Humidity						0-95%, no condensation		
Communication						RS485/WiFi/GPRS		
Warranty						5/7/10 years		
Certificates and Approvals								
BIS Certificate								
• IS: 16221 Part-2,2015 / IEC 62109-2-2011 • IS: 16169-2019 / IEC 62116:2014 • IS 17980-2022 / IEC 62891:2020								