



## VoltAh (I) Series - 3<sup>rd</sup> Gen' Single Phase Solar GTI

VTI - 1.5KW / 2.5KW / 3.6KW / 4.6KW /  
5.4KW / 6.0KW

- 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

# SINGLE PHASE SOLAR GRID TIED INVERTER

## Technical Datasheet

Model No	VTI - 1.5	VTI - 2.5	VTI - 3.6	VTI - 4.6	VTI - 5.4	VTI - 6
<b>DC Side / Input Parameters</b>						
Max DC power (W)	2250W	3300W	5400W	6600W	7500W	7500W
Max DC voltage (Vdc)	550	550	550	550	550	550
Min System start/Shut down voltage (Vdc)	75/100	75/100	75/100	75/100	75/100	75/100
MPPT voltage range(Vdc)	100~500	100~500	100~500	100~500	100~500	100~500
Max. input current (A)			18A			30A
Max.input short circuit per MPPT			25A			36A
Number of MPP trackers				1		
Strings per MPP tracker				1		

<b>AC Side / Output Parameters</b>						
Nominal output power (W)	1500	2500	3600	4600	5400	6000
Maximum output power (W)	1650	2500	3960	4600	5500	6600
Nominal output voltage/range (V)			230~240/180~270			
AC grid frequency/range (Hz)			50Hz			
Maximum output current (A)	8	12	18	21	23	28
AC connection (with PE)						
Current distortion(THDi)				Single phase		
Power factor	<1.5%	<1.5%	<2.5%	<2.5%	<2.5%	<2.5%
				~1%(Adjustable from 0.8 leading to 0.8 lagging)		

<b>Efficiency</b>						
Maximum conversion efficiency	97.3%	97.4%	97.8%	97.8%	97.5%	97.6%
European efficiency MPPT	97.0%	97.1%	97.3%	97.3%	97.2%	97.3%
efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%

<b>Safety and Protection</b>						
AFCI						Yes
DC reverse-polarity protection						Yes
Anti-islanding / Overvoltage protection						Yes
Short circuit protection						Yes
Leakage current protection						Yes
Grid monitoring / Ground fault monitoring						Yes
DC/AC side SPD(thermally protected)						Yes

<b>General Parameters</b>						
Dimension (L/W/H)(mm)		315/300/108			380/305/118	
Weight (kg)		6			9	
Embedded DC Switch					Optional	
Night power consumption (W)					< 0.2	
Isolation type					Transformer less	
Protection degree					IP65 according to IEC60529	
Operation temperature (°C)					-25 ~ +60	
Cooling concept					Smart Cooling	
Operating Altitude (m)					<2000m without power derating	
Acoustic noise level (dB)					< 25	
Display					Graphic LCD	
Communication Interface					Standard WIFI; RS485 (optional)	
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