

**Empowering India's Solar Future
with In-House Innovation & Quality**



VOLTAAH

**Engineered for Solar
Excellence**

**AatmaNirbhar
Bharat Abhiyan**





About VOLTAAH

A Leading Solar Solutions Provider Brand

Brand Overview

Voltah, a flagship brand under **Lobel Green Energy**, stands as a leading manufacturer of advanced solar products in India. With a strong commitment and vast experience in renewable sector. Voltah specializes in high-performance solar inverters, solar panels, ACDB/DCDB distribution boxes and BOS. Backed by cutting-edge technology and deep industry expertise, Our solutions are crafted to meet the growing energy demands while reducing the carbon footprint of our country.

Our Vision

To establish Voltah as a globally recognized Indian brand in the solar industry by offering a wide range of high-quality, innovative products. We envision becoming a one-stop solution for all solar energy needs—delivering everything from advanced components to complete project execution. Our aim is to lead the way in making clean, efficient, and accessible solar power a global standard, proudly driven by Indian engineering and excellence.

Our Mission

To achieve a leading position in solar product supply across India's residential and commercial segments by delivering reliable, high-performance, and innovative solutions. We are also focused on expanding our presence in ground-mounted systems and IPP projects—building a strong foundation for long-term, sustainable growth and contributing to the nation's clean energy infrastructure with integrity.

Why Choose Us

-  Empowering Solar Industry Since 2009
-  Served More Than 16000+ Happy Customers
-  Highest Distribution Networks
-  Supplied More Than 1.8 Lac+ Solar Inverters





Smart Monitoring System With VOLTAN Mobile App

Monitor the performance of all your solar projects with ease using our smart monitoring server accessible through group or master admin login.

xmple.co



Track System
Performance From
Anywhere



Real-time
Monitoring of Solar
Energy Production



Compact and Easy
to Install



Multi-device
Compatibility
(Android & iOS)

Advanced Support and Solutions



Easy Warranty Claim
Process



Installation & Service
Guidance



CRM-Based Ticketing
System



Dedicated Support
Helpline



Remote Monitoring &
Diagnostics



Quick Repair or
Replacement



Real-Time Case Tracking



On-Site Response



Component Level
Troubleshooting



Direct Support to
End-Users



#SmartDataMonitoring

VoltAh (I) Series

Single Phase Solar GTI - 3rd Gen'



VTI - 1.5 | 2.5 | 3.6 | 4.6KW

VTI - 5 | 5.4 | 6KW



Latest 30Ah Model



Die Casting
Premium Design



IP65 Ingression



Modular Design for
Easy Maintenance



Type - II SPD for
Both DC & AC



Wifi / GPRS -
Optional



AFCI Optional -
Proactively Reduce
Fire Risk



24 Hours Loads
Consumption
Monitoring



Ultra Stable



Super GTI



Great Reliability



Wide Range



BIS



★★★★★
TRUSTED



#LatestStandards

SINGLE PHASE SOLAR GRID TIE INVERTER

Technology Data

Model No	VTI - 1.5	VTI - 2.5	VTI - 3.6	VTI - 4.6	VTI - 5 /5.4	VTI - 6
DC Side / Input Parameters						
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			

AC Side / Output Parameters						
Nominal output power (W)	1500	2200	3600	4000	5000	6000
Maximum output power (W)	1650	2420	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)					

Efficiency						
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%

Safety and Protection						
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					

General Parameters		
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

VoltAh (E) Series

Three Phase Solar Super GTI- 3rd Gen'



VTE - 5 | 6 | 8 | 10 | 12 | 15KW

VTE - 20 | 25KW



Compatible with
Topcon & HJT



Patented Intelligent
Cooling Designs



IP65 Protected



Modular Design for
Easy Maintenance



Advanced Energy
Export Limit Control



Wifi / GPRS / Lan
Communication



Space Vector Pulse
Width Modulation
(SVPWM) Controller



24 Hours Loads
Consumption
Monitoring



Stable Output



Advanced GTI



High Reliability



Broad Range



BIS



★★★★★
TRUSTED



#HighEfficiency

THREE PHASE SOLAR GRID TIED INVERTER Technology Data

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	80000	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	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
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 Approved

~ IS: 16221 Part-2,2015 / IEC 62109-2-2011 | ~ IS: 16169-2019 / IEC 62116:2014 | ~ IS 17980-2022 / IEC 62891:2020

Smart PV Solutions

For Advanced Technology
Solar Products & Kits

PANEL | INVERTER | ACDB-DCDB | BOS



For More Information,

Lobel Green Energy Pvt. Ltd

Vadodara, Gujarat 390020

Service : +91 9714144529

Sales : +91 9714144530

Email : info@thevoltah.com

Aapke Solar Ki Dhadkan



www.thevoltah.com