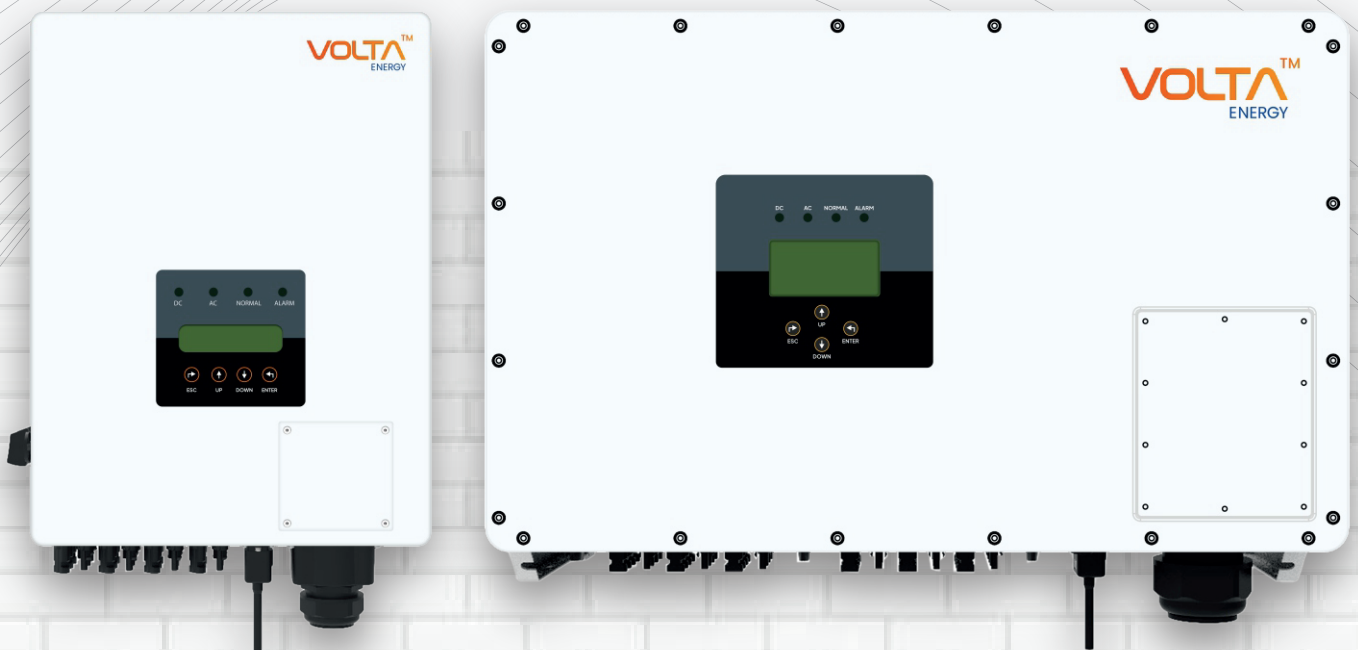


# GRID TIE INVERTER

## THREE PHASE



2 MPP tracker, Max, efficiency up to 98.3%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)



IP65 Outdoor Design

## GRID TIE INVERTER - THREE PHASE

TECHNICAL SPECIFICATIONS					
CAPACITY (KW)	40	50	60	70	80
MODEL NUMBER	VGE-40K3T	VGE-50K3T	VGE-60K4T	VGE-70K4T	VGE-80K4T
INPUT (DC)					
Max.DC input power (KW)	48.0	60.0	72.0	84.0	96.0
Max. DC I/P (Vdc)	1000V				
Max. MPPT I/P Current (A)	40A				
MPPT Short Circuit Current (A)	60A				
MPPT Tracking Voltage (Vdc)	200-1000V				
Start-Up Voltage (V)	200V				
Number of MPPT Tracker	3/4		4		
Strings per MPPT Tracker	3		3/4		
OUTPUT (AC)					
Rated output power (KW)	40	50	60	70	80
Rated Grid Voltage (V)	415V				
Voltage Operating Range (V) ①	280-455V				
Rated Grid freq. (Hz) / Range ②	50Hz ( ± 5% )				
Rated output current AC (A)	55.7	63.2	84.3	99.4	113.2
AC Connection	3P + N + PE				
THDI (%)	<3%				
Output Power factor	0.9 leading to 0.9 lagging				
EFFICIENCY					
Max. conversion Efficiency (%)	98.7%				
Max. Euro Efficiency (%)	98.1%				
MPPT Efficiency (%)	>99%				
EFFICIENCY					
Anti-Islanding Protection	YES				
DC Reverse Polarity Protection	YES				
Insulation Resistance Protection	YES				
Ground Fault Protection	YES				
Output Over Current Protection	YES				
Output Short circuit Protection	YES				
Output Over Voltage Protection	YES				
DC Isolator Switch	YES				
Surge Protection	DC: Type II / AC: Type II				
GENERAL DATA					
Dimensions (W*H*D) mm	434W*570H*243D			700W*575H*297D	
Weight (Kg)	39.0			60	
Topology	Transformerless				
Noise Emission (dB)	≤45dB				
Display	LED with LCD Display				
Cooling Method	Intelligent Fan Cooling				
Operating ambient Temperature	(-25°C ~ +65°C)				
Operating Humidity	0% - 100%				
Max. Operating Altitude (m)	2000m (>2000m Derating)				
Ingress Protection	IP65				
Standard Warranty	8 Years				
CONNECTION TYPE					
DC connectors	MC-4				
Ingress AC plug	IP65 rated plug				
Communication Modes	WiFi / GPRS / RS 485 / Local Monitoring				
Remote Monitoring	YES				

**Note :-**

- ① & ② The range of output voltage and frequency may vary depending upon different grid codes.
- Specifications are subject to change without advance notice