INVOLTICS

THREE PHASE
COMMERCIAL & INDUSTRIAL SERIES
ON-GRID INVERTER
DATASHEET

GT 15K-3P | GT 18K-3P
GT 20K-3P | GT 25K-3P



- BIS Certified
- 10 Years Warranty
- Easy to Service
- Cloud Based Monitoring
- Zero Export & VSG Application
- Low Start-Up Voltage of 80V
- Wide Output Voltage Range
- Inbuilt Wifi GPRS (Optional)
- 20A String Current
- Suited for Outdoor

www.involtics.com

MAKE IN INDIA

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D63, Sec 80, Noida, Gautam Budh Nagar, Uttar Pradesh 201301

Technical Data

INVOLTICS

MODEL	GT 15K-3P	GT 18K-3P	GT 20K-3P	GT 25K-3P
Input Side				
MAX. DC Input Power (KW)	19.5	23.4	26	32.5
MAX. DC Input Voltage (v)	1100			
Start up DC Input Voltage(V)	250			
MPPT Operating Range (v)	200-1000			
MAX DC Input Current (A)	20+26	26+26		
MAX Short Circuit Current (A)	30+39	39+39		
No. Of MPP Tracker	2			
No. strings per MPP Tracker	1+2	2+2		
Output Side				
Rated Output Power (KW)	15	18	20	25
MAX. Active Power (KW)	16.5	19.8	22	27.5
Rated Output Voltage/range (V)	400V AC (3P + N + E)			
Rated Grid Frequency (Hz)	50/60(optional)			
Operating Phase	Three Phase			
Rated Ac Gride Output Current	22.7/21.7	27.3/26.0	30.3/29	37.9/36.2
Max. AC Output Current (A)	25/23.9	30/28.7	33.3/31.9	41.7/39.8
Output Power Factor	0.8 Leading to 0.8 lagging			
Total Harmonics Current Distortion (THDi)	<0.3%			
DC Injection Current (mA)	<0.5%			
Grid Frequency Range (Hz)	45-55			
Efficiency				
Max. Efficiency (Inverter)	98.50%		98.60%	
Euro Efficiency	97.50%		97.83%	
MPPT Efficiency	>99%			
Protection				
DC Reverse - Polarity Protection	Yes			
AC Short Circuit Protection	Yes			
AC Output Overcurrent Protection	Yes			
Output Overvoltage Protection	Yes			
Insulation Resistance Protection	Yes			
Ground Fault Monitoring	Yes			
Anti- Islanding Protection	Yes			
Temprature Protection	Yes			
Integrated DC Switch	Yes			
Remorte Software Upload	Yes			
Remorte Change Operating Parameters	Yes			
Surge Protection	DC Type II / AC Type II			
General Data				
Size(mm)	283Wx463Hx178D		362Wx527Hx220D	
Colour Shade	383636 & 716C			
Weight(kg)	15		20	
Topology	Transformerless			
Internal Consumption	<1W(Night)			
Operating Temperature	-25℃ to + 60℃ (derating above 45°)			
Ingress Protection ◦	IP65			
Noise Emission (Typical)	≤ 40dB			
Cooling Type	Smart Cooling			
Max. Operating Altitude Without Derating	4000m			
Certifications	IEC 62116, IEC 61727, IEC60068-2-1,2,14,30,27,64 , IEC 61683, IEC 61000 1/2, IEC 62109-1&2			
Humidity	0-100% (Non Condensing)			
Features				
Display	LCD1602			
Interface	RS485/RS232/Wifi/GPRS			

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