INVOLTICS

THREE PHASE RESIDENTIAL SERIES **ON-GRID INVERTER DATASHEET**

GT 5.0K-3P | GT 6.0K-3P
GT 8.0K-3P | GT 10K-3P
GT 12K-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 5.0K-3P	GT 6.0K-3P	GT 8.0K-3P	GT 10K-3P	GT 12K-3P
Input Side					
MAX. DC Input Power (KW)	6.5	7.8	10.4	13	15.6
MAX. DC Input Voltage (v)	1100				
Start up DC Input Voltage(V)	140				250
MPPT Operating Range (v)	120-1000				200-1000
MAX DC Input Current (A)	20+20				
MAX Short Circuit Current (A)	30+30				
No. Of MPP Tracker	2				
No. strings per MPP Tracker	1+1				
Output Side					
Rated Output Power (KW)	5	6	8	10	12
MAX. Active Power (KW)	5.5	6.6	8.8	11	13.2
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	7.6/7.2	9.1/8.7	12.1/11.6	15.2/14.5	18.2/17.4
Max. AC Output Current (A)	8.3/8	10/9.6	13.3/12.7	16.7/15.9	20/19.1
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)	98.30%				
Euro Efficiency	97.50%				
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)	330Wx457Hx203D				
Colour Shade	383636 & 716C				
Weight(kg)	11				
Topology	Transformerless				
Internal Consumption	<1W(Night)				
Operating Temperature	-25°C to + 60°C (derating above 45°)				
Ingress Protection	IP65				
Noise Emission (Typical)	≤ 30dB				
Cooling Type	Natural 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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