INVOLTICS

SINGLE PHASE
ON-GRID INVERTER
DATASHEET

GT 1.5K-1P | GT 2.2K-1P | GT 3.0K-1P
GT 4.0K-1P | GT 5.0K-1P | GT 6.0K-1P



- 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

info@involtics.com

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

Technical Data

INVOLTICS

MODEL	GT 1.5K-1P	GT 2.2K-1P	GT 3.0K-1P	GT 4.0K-1P	GT 5.0K-1P	GT 6.0K-1P
Input Side						
MAX. DC Input Power (KW)	2	2.9	3.9	5.2	6.5	7.8
MAX. DC Input Voltage (v)	550					
Start up DC Input Voltage(V)	80					
MPPT Operating Range (v)	70-500					
MAX DC Input Current (A)	20					
MAX Short Circuit Current (A)	30					
No. Of MPP Tracker	1					
No. strings per MPP Tracker	1				2	
Output Side						
Rated Output Power (KW)	1.5	2.2	3	4	5	6
MAX. Active Power (KW)	1.65	2.42	3.3	4.4	5.5	6.6
Rated Output Voltage/range (V)	230V AC (L + N + E)					
Rated Grid Frequency (Hz)	50/60(Optional)					
Operating Phase	Single Phase					
Rated Ac Gride Output Current	6.5	9.6	13	17.4	22.8/21.8	27.3/26.1
Max. AC Output Current (A)	7.2	10.5	14.3	19.1	25/24	30/28.7
Output Power Factor	0.8 leading to 0.8 lagging					
Total Harmonics Current Distortion (THDi)	<3%					
DC Injection Current (mA)	<0.5%					
Grid Frequency Range (Hz)	45-55					
Efficiency						
Max. Efficiency (Inverter)	97.30%	97.30%	97.50%	97.50%	97.50%	
Euro Efficiency	97.10%	97.10%	97.30%	97.30%	97.00%	
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)	280Wx310Hx184D			330Wx323Hx190D		
Colour Shade	383636 & 716C					
Weight(kg)	4.8			7.7		
Topology	Transformerless					
Internal Consumption	<1W(Night)					
Operating Temperature	-25℃ to + 60℃ (derating above 45°)					
Ingress Protection	IP65					
Noise Emission (Typical)	≤ 35dB					
Cooling Type	Natural Cooling					
Max. Operating Altitude Without Derating	2000m			3000m		
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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