

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 Monitorinn



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.bajajpowersolar.com



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Technical Data

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 Grid 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					
Temperature Protection	Yes					
Integrated DC Switch	Yes					
Remote Software Upload	Yes					
Remote Change Operating Parameters	Yes					
Surge Protection	DC Type II / AC Type II					
General Data						
Size(mm) W H D *	280x310x184			330x323x190		
Colour Shade	383636 & 716C					
Weight(kg) *	4.8			7.7		
Topology	Transformerless					
Internal Consumption	<1W(Night)					
Operating Temperature	-25°C to + 60°C (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					

*Due to continuous product innovation, dimensions and weight may differ from the datasheet.

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



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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 Grid 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				
Temperature Protection	Yes				
Integrated DC Switch	Yes				
Remote Software Upload	Yes				
Remote Change Operating Parameters	Yes				
Surge Protection	DC Type II / AC Type II				
General Data					
Size(mm) W H D*	330x457x203				
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				

*Due to continuous product innovation, dimensions and weight may differ from the datasheet.

HALION

by  **BAJAJ POWER**
Be powered

THREE PHASE COMMERCIAL & INDUSTRIAL SERIES ON-GRID INVERTER DATASHEET

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



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Plot no 20 chinhat industrial area near tata telco chinhat deva road lucknow

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 Grid 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			
Temperature Protection	Yes			
Integrated DC Switch	Yes			
Remote Software Upload	Yes			
Remote Change Operating Parameters	Yes			
Surge Protection	DC Type II / AC Type II			
General Data				
Size(mm) W H D*	283Wx463Hx178D		362Wx527Hx220D	
Colour Shade	383636 & 716C			
Weight(kg)*	15		20	
Topology	Transformerless			
Internal Consumption	<1W(Night)			
Operating Temperature	-25°C to +60°C (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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