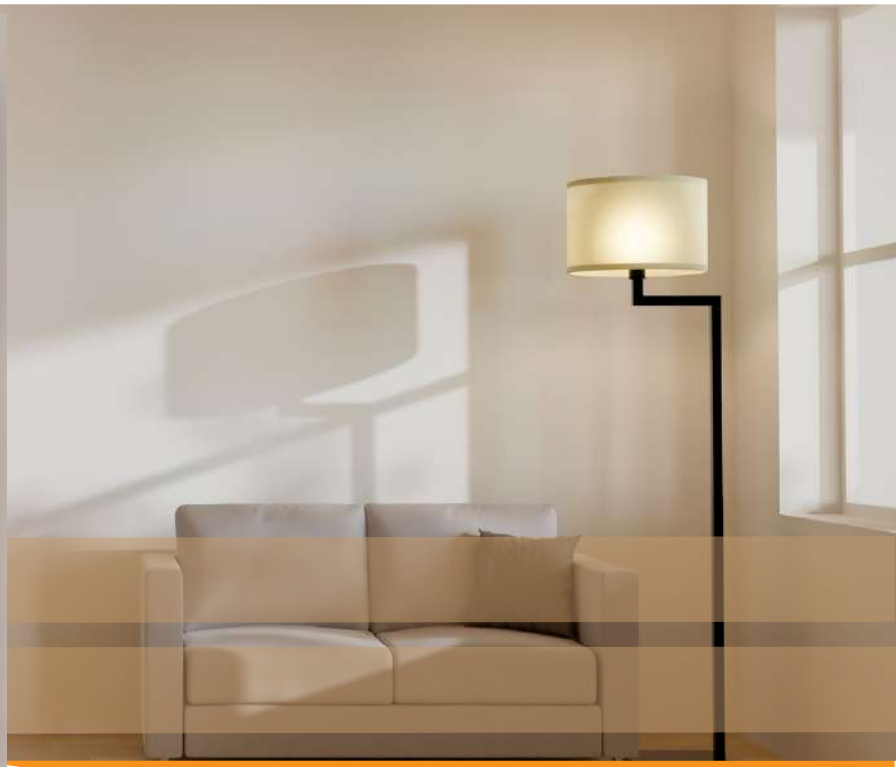
HALION
by BAJAJ POWER
Be powered

THREE PHASE HYBRID INVERTER (HV)

GTSI-100K-3P | GTSI-125K-3P



- Transformerless Design
- 100% unbalanced output
- AC couple to retrofit existing solar system
- Max.10 Pcs Parallel for on-grid & off-grid. operation; Support multiple batteries parallel
- High Voltage battery, higher **efficiency**
- Support storing energy from diesel generator

- 200 — Max. charging/discharging current of 200A
- 6 — 6 time periods for battery charging/discharging

MAKE IN INDIA

www.bajajpowersolar.com
business@bajajpowersolar.com
Plot no 20 chinhat industrial area near tata telco chinhat deva road lucknow

Technical Data

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Model	GTSI-100K-3P	GTSI-125K-3P
Battery Input Data		
Battery Type	Lithium-ion	
Battery Voltage Range (V)	160-1000	
Max. Charging Current (A)	100+100	
Max. Discharging Current (A)	100+100	
Charging Strategy for Li-ion Battery	Self-adaptation to BMS	
Number of Battery Input	2	
PV String Input Data		
Max. PV Access Power (W)	200000	250000
Max. PV Input Power (W)	160000	200000
Max. PV Input Voltage (V)	1000	
Start-up Voltage (V)	180	
MPPT Voltage Range (V)	150-850	
Rated PV Input Voltage (V)	650	
Max. Operating PV Input Current (A)	42+42+42+42+42+42+42+42+42+42	
Max. Input Short-Circuit Current (A)	63+63+63+63+63+63+63+63+63+63	
No. of MPP Trackers/ No. of Strings MPP Tracker	10/2+2+2+2+2+2+2+2+2+2	
AC Input/Output Data		
Rated AC Input/Output Active Power (W)	100000	125000
Max. AC Input/Output Apparent Power (VA)	110000	135000
Rated AC Input/Output Current (A)	151.6/145.0	189.4/181.2
Max AC Input/Output Current (A)	166.7/159.5	204.6/195.7
Max. Continuous AC Passthrough (grid to load) (A)	250	
Power Factor Adjustment Range	0.8 Leading To 0.8 Lagging	
Rated Input/Output Voltage Range (V)	220/380V, 230/400V	
Rated Input/Output Grid Frequency/Range(Hz)	50/45-55, 60/55-65	
Grid Connection Form	3L+N+PE	
Total Current Harmonic Distortion THDi	<3% (OF Nominal Power)	
DC Injection Current	<0.5% In	
Efficiency		
Max. Efficiency	98.70%	
Euro Efficiency	98.10%	
MPPT Efficiency	>99%	
Equipment Protection		
Integrated	DC Reverse Polarity Protection, AC Output Overcurrent Protection, Thermal Protection, AC Output Overvoltage Protection, AC Output Short Circuit Protection, DC Component Monitoring, Arc Fault Circuit Interrupter (optional), Anti-islanding Protection, DC Switch, Insulation Impedance Detection, Residual Current Detection	
Surge Protection Level	Type III (DC), Type III (AC)	
Interface		
LCD/LED Display	LCD+LED	
Communication Interface	RS485/RS232/CAN	
Monitor Mode	GPRS/WIFI/Bluetooth/4G/LAN(optional)	
General Data		
Operating Temperature Range (°C)	-40 to +60°C, >45°C Derating	
Permissible Ambient Humidity	0-100%	
Permissible Altitude	3000m	
Noise (dB)	≤65	
Ingress Protection (IP) Rating	IP 65	
Inverter Topology	Non-Isolated	
Over Voltage Category	OVC II(DC), OVC III(AC)	
Type of Cooling	Smart cooling	
Grid Regulation	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105	
Safety / EMC Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2	