

HALION

by  **BAJAJ POWER**
Be powered

THREE PHASE HYBRID INVERTER (HV)

GTSI-29.9K-3P | GTSI-30K-3P | GTSI-35K-3P | GTSI-40K-3P
GTSI-50K-3P



Easy to Service



Cloud Based Monitoring



5 Years Warranty



Transformerless Design



100% unbalanced output



AC couple to retrofit existing solar system



Max.10 Pcs Parallel in on-grid & off-grid Mode operation; Support multiple batteries parallel



High Voltage battery, higher efficiency



Support storing energy from diesel generator



www.bajajpowersolar.com



business@bajajpowersolar.com

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

| Model | GTSI-29.9K-3P | GTSI-30K-3P | GTSI-35K-3P | GTSI-40K-3P | GTSI-50K-3P |
|---|---|-------------|-------------|-------------|-------------|
| Battery Input Data | | | | | |
| Battery Type | Lithium-ion | | | | |
| Battery Voltage Range (V) | 160-800 | | | | |
| Max. Charging Current (A) | 50+50 | | | | |
| Max. Discharging Current (A) | 50+50 | | | | |
| Charging Strategy for Li-ion Battery | Self-adaptation to BMS | | | | |
| Number of Battery Input | 2 | | | | |
| PV String Input Data | | | | | |
| Max. PV Access Power (W) | 59800 | 60000 | 70000 | 80000 | 100000 |
| Max. PV Input Power (W) | 47840 | 48000 | 56000 | 64000 | 80000 |
| Max. PV Input Voltage (V) | 1000 | | | | |
| Start-up Voltage (V) | 180 | | | | |
| MPPT Voltage Range (V) | 150-850 | | | | |
| Rated PV Input Voltage (V) | 600 | | | | |
| Max. Operating PV Input Current (A) | 36+36+36 | | | 36+36+36+36 | |
| Max. Input Short-Circuit Current (A) | 55+55+55 | | | 55+55+55+55 | |
| No. of MPP Trackers/ No. of Strings MPP Tracker | 3/2+2+2 | | | 4/2+2+2+2 | |
| AC Input/Output Data | | | | | |
| Rated AC Input/Output Active Power (W) | 29900 | 30000 | 35000 | 40000 | 50000 |
| Max. AC Input/Output Apparent Power (VA) | 29900 | 33000 | 38500 | 44000 | 55000 |
| Rated AC Input/Output Current (A) | 45.4/43.4 | 45.5/43.5 | 53.1/50.8 | 60.7/58 | 75.8/72.5 |
| Max AC Input/Output Current (A) | 45.4/43.4 | 50/47.9 | 58.4/55.8 | 66.7/63.8 | 83.4/79.8 |
| Max. Continuous AC Passthrough (grid to load) (A) | 200 | | | | |
| Peak Power (off-grid) (W) | 1.5 Times Of Rated Power, 10s | | | | |
| Power Factor Adjustment Range | 0.8 Leading To 0.8 Lagging | | | | |
| Rated Input/Output Voltage Range (V) | 220/380V, 230/400V 0.85Un-1.1Un | | | | |
| 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 | 97.60% | | | | |
| Euro Efficiency | 97.0% | | | | |
| 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 II (DC), Type II (AC) | | | | |
| Interface | | | | | |
| 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 | 2000m | | | | |
| Noise (dB) | ≤65 | | | | |
| Ingress Protection (IP) Rating | IP 65 | | | | |
| Inverter Topology | Non-Isolated | | | | |
| Over Voltage Category | OVC II(DC), OVC III(AC) | | | | |
| Cabinet Size (WxHxD mm)* | 527×894×294 (Excluding Connectors and Brackets) | | | | |
| Weight (kg)* | 80 | | | | |
| Type of Cooling | Intelligent Air 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 | | | | |

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