HALION
by BAJAJ POWER
Be powered

# THREE PHASE HYBRID INVERTER (HV)

## GTSI-60K-3P | GTSI-70K-3P | GTSI-75K-3P | GTSI-80K-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 **efficience**
- Support storing energy from diesel generator

MAKE IN INDIA

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

# Technical Data

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| Model | GTSI-60K-3P | GTSI-70K-3P | GTSI-75K-3P | GTSI-80K-3P |
|---|---|---|---|---|
| **Battery Input Data** | | | | |
| Battery Type | Lithium-ion | | | |
| Battery Voltage Range (V) | 160-1000 | | | |
| Max. Charging Current (A) | 80+80 | | | |
| Max. Discharging Current (A) | 80+80 | | | |
| Charging Strategy for Li-ion Battery | Self-adaptation to BMS | | | |
| Number of Battery Input | 2 | | | |
| **PV String Input Data** | | | | |
| Max. PV Access Power (W) | 120000 | 140000 | 150000 | 160000 |
| Max. PV Input Power (W) | 96000 | 112000 | 120000 | 128000 |
| 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) | 36+36+36+36+36+36 | | | |
| Max. Input Short-Circuit Current (A) | 54+54+54+54+54+54 | | | |
| No. of MPP Trackers/ No. of Strings MPP Tracker | 6/2+2+2+2+2+2 | | | |
| **AC Input/Output Data** | | | | |
| Rated AC Input/Output Active Power (W) | 60000 | 70000 | 75000 | 80000 |
| Max. AC Input/Output Apparent Power (VA) | 66000 | 77000 | 82500 | 88000 |
| Rated AC Input/Output Current (A) | 91/87 | 106.1/101.5 | 113.7/108.7 | 121.3/115.9 |
| Max AC Input/Output Current (A) | 100/95.7 | 116.7/111.6 | 125/119.6 | 133.4/127.6 |
| 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 | 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 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℃, >45℃ 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) | | | |
| Cabinet Size (WxHxD mm) * | 606×927×314 (Excluding Connectors and Brackets) | | | |
| Weight (kg) * | 105 | | | |
| 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.