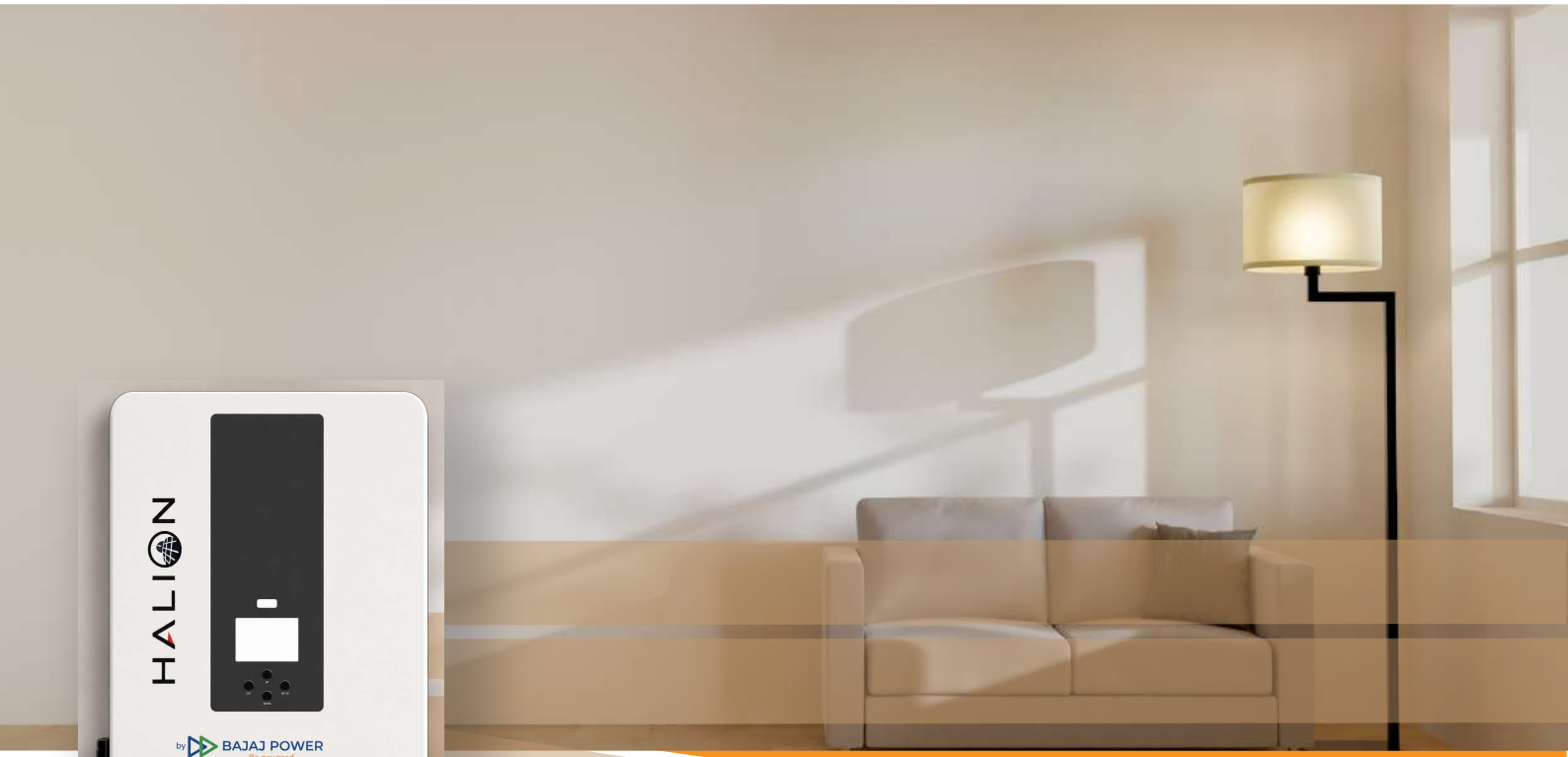
HALION
by BAJAJ POWER
Be powered

SINGLE PHASE HYBRID INVERTER

GTSI-0304K1P | GTSI-3.605K1P | GTSI-0506K1P | GTSI-0608K1P
GTSI-0810K1P | GTSI-1012K1P



- BIS Certified
- Easy to Service
- Cloud Based Monitoring
- 5 Years Warranty

- Transformerless Design
- Can be Paralleled (up 10 Nos)
- Remote Monitoring / Controlling
- Designed for Lead / Lithium Batteries
- Minimum losses & Maximum Efficiency
- 100% unbalanced output per phase
  Max 50% Rated power per phase

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business@bajajpowersolar.com

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

Technical Data

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MODEL	GTSI-0304K1P	GTSI-3.605K1P	GTSI-0506K1P	GTSI-0608K1P	GTSI-0810K1P	GTSI-1012K1P
Battery Input Data						
Battery Type	Lead-acid or Lithium-ion					
Battery Voltage Range (V)	40-60					
Max. Charging Current (A)	70	90	120	135	190	210
Max. Discharging Current (A)	70	90	120	135	190	210
Charging Strategy for Li-ionBattery	Self-adaption to BMS					
Number of Battery Input	1					
PV Input String Data						
Max. PV Input Power (W)	4800	5760	8000	9600	12800	16000
Max. PV Input Voltage (V)	500					
Start -up Voltage (V)	125					
MPPT Voltage Range (V)	150-425					
Rated PV Input Voltage (V)	370					
Max.OperatingPV InputCurrent(A)	18	18+18			26+26	
Max.Input Short-CircuitCurrent(A)	27	27+27			34+34	
No. of MPPT Trackers/ No. of Strings MPPT Tracker	1/1	2/1+1			2/2+2	
AC Input/Output Data						
Rated Output Apparent Power (VA) (@ 0.8 PF)	3750	4500	6250	7500	10000	12500
Rated Output Power (W)	3000	3600	5000	6000	8000	10000
Rated AC Output Current(A)	13.1	15.7	21.8	26.1	34.8	43.5
Max. AC Input/Output Current(A)	14.4	17.3	24	28.7	38.3	47.9
Peak Power (off-grid)(W)	2 times of rated power, 10s					
Power Factor Adjustment Range	0.8 leading to 0.8 lagging					
Rated Input/Output Voltage Range (Vac)	220/230 0.85Un-1.1Un					
Rated Frequency(Hz)	50-60 Hz					
Grid Connection Form	L+N+PE					
Total Current Harmonic Distortion THDi	<3% (of nominal power)					
Efficiency						
Max. Efficiency	97.60%					
Euro Efficiency	96.50%					
MPPT Efficiency	>99%					
Equipment Protection						
Protection	PV Polarity Reverse Connection Protection, AC Output Overcurrent Protection, Thermal Protection, ACOutput Overvoltage Protection, AC Output Short Circuit Protection, Island Protection Monitoring, Battery Power Polarity Protection, SPD Inbuilt					
Surge Protection	TYPE II(DC), TYPE II(AC)					
Interface						
Communication Interface	RS485/RS232/CAN					
Remote Monitoring	GPRS/WIFI					
General Data						
Operating Temperature Range (°c)	-40 TO + 60°C, (>45°C Derating)					
Permissible Ambient Humidity	0-100%					
Permissible Altitude	2000m					
Ingress Protection(IP) Rating	IP65					
Inverter Topology	Non-Isolated					
Over Voltage Category	OVC II(DC), OVC III(AC)					
Cabinet Size (WxHxD mm)*	330x433x229				330x580x232	420x670x233
Weight (kg)*	17				24.9	35.6
Type of Cooling	Natural Cooling				Intelligent Air Cooling	

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

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THREE PHASE HYBRID INVERTER

GTSI-0506K3P | GTSI-0608K3P | GTSI-0810K3P | GTSI-1012K3P
GTSI-1215K3P | GTSI-1520K3P | GTSI-2025K3P

- BIS Certified
- Easy to Service
- Cloud Based Monitoring
- 5 Years Warranty

- Transformerless Design
- Colorful touch LCD
- AC couple to retrofit existing solar system
- Max.16 Pcs Parallel in Off-grid Mode
- Multiple Modes for Battery / Profile
- Works with Lithium and lead Acid Batteries

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Technical Data

HALION by BAJAJ POWER Be powered

Model	GTSI-0506K3P	GTSI-0608K3P	GTSI-0810K3P	GTSI-1012K3P	GTSI-1215K3P	GTSI-1520K3P	GTSI-2025K3P
Battery Input Data							
Battery Type	Lead-acid or Lithium-ion						
Battery Voltage Range (V)	40-60						
Max. Charging Current (A)	120	135	190	210	240	280	350
Max. Discharging Current (A)	120	135	190	210	240	280	350
Charging Strategy for Li-ion Battery	Self-adaptation to BMS						
Number of Battery Input	1						
PV String Input Data							
Max. PV Input Power (W)	7500	9000	12000	15000	18000	24000	32000
Max. PV Input Voltage (V)	800						
Start-up Voltage (V)	160						
MPPT Voltage Range (V)	200-650						
Rated PV Input Voltage (V)	550						
Max. Operating PV Input Current (A)	20+20					36+36	
Max. Input Short-Circuit Current (A)	30+30					54+54	
No. of MPP Trackers/ No. of Strings MPP Tracker	2/1+1					2/2+2	
AC Input/Output Data							
Rated AC Output Apparent Power (VA) (@ 0.8PF)	6250	7500	10000	12500	15000	18750	25000
Rated AC Input/Output Active Power (W)	5000	6000	8000	10000	12000	15000	20000
Rated AC Input/Output Current (A)	7.3	8.7	11.6	14.5	17.4	21.8	29
Max AC Input/Output Current (A)	8	9.6	12.8	16	19.2	24	31.9
Peak Power (off-grid) (W)	2 Times Of Rated Power, 10s						
Power Factor Adjustment Range	0.8 Leading To 0.8 Lagging						
Rated Input/Output Voltage Range (Vac)	220/380V, 230/400V 0.85Un-1.1Un						
Rated Input/Output Grid Frequency/Range(Hz)	50-60 Hz						
Grid Connection Form	3L+N+PE						
Total Current Harmonic Distortion THDi	<3% (OF Nominal Power)						
Efficiency							
Max. Efficiency	97.6%						
Euro Efficiency	97.0%						
MPPT Efficiency	>99%						
Equipment Protection							
Integrated	PV Polarity Reverse Connection Protection, AC Output Overcurrent Protection, Thermal Protection, AC Output Overvoltage Protection, AC Output short Circuit Protection, Island Protection Monitoring, Battery Power Polarity Protection, SPD Inbuilt						
Surge Protection Level	Type II (DC), Type II (AC)						
Interface							
Communication Interface	RS485/RS232/CAN						
Remote Monitoring	GPRS/WIFI						
General Data							
Operating Temperature Range (°C)	-45 to 60°C, (>45°C Derating)						
Permissible Ambient Humidity	0-100%						
Permissible Altitude	3000m						
Ingress Protection(IP) Rating	IP 65						
Inverter Topology	Non-Isolated						
Over Voltage Category	OVC II(DC), OVC III(AC)						
Cabinet Size (WxHxD mm) *	386x660x250					455x800x260	
Weight (kg)*	35.2					51.9	
Type of Cooling	Intelligent Air Cooling						

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