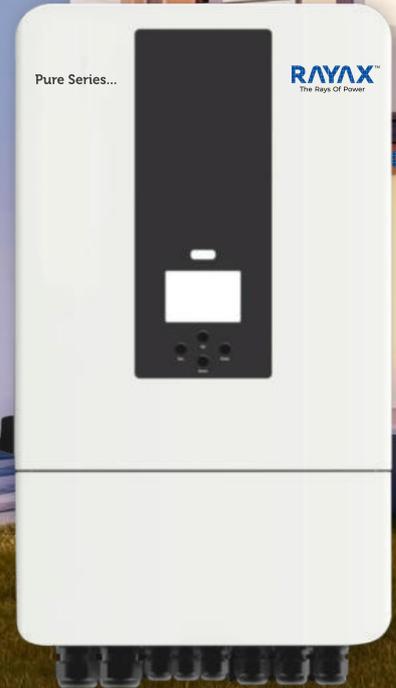


RAYAX™

The Rays Of Power



THREE PHASE HYBRID INVERTER

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



Transformerless Design



AC couple to retrofit existing solar system



Multiple Modes for Battery / Profile



Colorful touch LCD



Max. 16 Pcs Parallel in Off-grid Mode



Works with Lithium and lead Acid Batteries



BIS Certified



Easy to Service



Cloud Based Monitoring



5 Years Warranty



Technical Data

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.

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