

ON-GRID INVERTERS

THREE PHASE (15kW)



TECHNICAL PARAMETERS

GSI-15K-P3-GT

Input Side

Max. DC Input Power(kW)	19.5
Max. DC Input Voltage(V)	1100
Start-up DC Input Voltage(V)	250
MPPT Operating Range(V)	250~1000
Max. DC Input Current(A)	20+26
Max. Short Circuit Current(A)	30+39
No. of MPPT Trackers	2
No. of Strings per MPPT Tracker	1+2

Output Side

Rated Output Power(kW)	15
Max. Active Power(kW)	16.5
Rated Output Voltage Range(V)	3L/N/PE, 220/380V, 230/400V, 0.85Un~1.1Un
Grid Frequency Range(Hz)	50 ± 5Hz, 60 ± 5 Hz
Operating Phase	Three Phase
Rated AC Grid Output Current(A)	21.7
Max. AC Output Current(A)	23.9
Output Power Factor	0.8 leading to 0.8 lagging
Total Harmonics Current Distortion(THDi)	< 3%
DC Injection Current(mA)	< 0.5%

Efficiency

Max. Efficiency	98.5%
Euro Efficiency	97.5%
MPPT Efficiency	>99%

Protection

DC Reverse Polarity Protection	YES
AC Short Circuit Protection	YES
AC Output Over Current Protection	YES
Output Over Voltage Protection	YES
Insulation Resistance Protection	YES
Ground Fault Monitoring	YES
Anti-islanding Protection	YES
Temperature Protection	YES
Integrated DC Switch	YES
Remote software upload	YES
Remote change of operating parameters	YES
Surge protection	DC Type II/AC Type II

General Data

Dimensions(W×H×D)mm	283W×463H×178D(Excluding Connectors and Brackets)
Weight(kg)	15
Topology	Transformerless
Internal Consumption	<1W(Night)
Running Temperature	-25~65 °C, >45 °C derating
Operating Surroundings Humidity	0~100%
Ingress Protection	IP65
Noise Emission(Typical)	≤40dB
Cooling Concept	Smart Cooling
Max. Operating Altitude Without Derating	2000m
Warranty	10 years
Grid Connection Standards	IEC 62116, IEC 61727
Safety Standards	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2

Features

Display	LCD 1602
Interface	RS485/WiFi/LAN/Local Monitoring