

INDIA'S PRIDE IN SOLAR SOLUTION

Made for a Greener Tomorrow!



ABOUT US



Founded by a distinguished group of industry experts with extensive experience spanning over 12 years, Gronsol Inverter Technology LLP is dedicated to advancing innovative solar energy solutions. The company's mission centers on delivering exceptional products that meet the sophisticated demands of today's energy infrastructure.

As part of the Make in India initiative, we take pride in manufacturing our inverters in Surat, Gujarat, the Solar City of India, and leveraging the state-of-the-art infrastructure of the region. Our products are built to withstand Indian conditions, ensuring high performance and long-lasting energy solutions.

We are committed to quality, technological innovation, and sustainability, striving to contribute to India's clean energy transition while delivering exceptional products tailored to the unique needs of our customers.



MISSION

To empower every individual and businesses with reliable and efficient solar energy solutions driving through innovation, locally manufactured inverters, contributing to a sustainable energy future for India.



VISION

To be a leading provider of high-quality and advanced solar inverters in India that are recognized for innovation, reliability, and customer satisfaction, while driving the adoption of clean energy across the nation.

WHY CHOOSE GRONSOL INVERTER?

1

Make in India Excellence:

Proudly contributing to India's solar energy sector with high quality, locally manufactured inverters.

2

Technological Leadership:

Advanced solutions designed for Solar Inverter with unmatched reliability.

3

Customer-Centric Approach:

Tailored products backed by comprehensive Technical support and service team.

4

Sustainability Focus:

Committed to reducing carbon footprints through innovative solar solutions.



Empowering **India** with Indigenous Solar Technology

MAKE IN **INDIA**



Connect with us!    

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On-Grid Inverters



Single Phase
1kW to 6kW



Three Phase
5kW to 136kW

Features:

-  Remote Software Update
-  Zero Export Application
-  20-40Amps PV Input Current
-  RS485, remote monitoring (Wi-Fi/GPRS)
-  String level monitoring for C&I Inverters
-  AC Voltage Range: 180V-295V(1-phase), 380V-480V(3-phase)



Applications:



Residential
(Home Rooftops)



Commercial
& Industrial



Telecom
& Infrastructure



ON-GRID INVERTERS

SINGLE PHASE (1kW TO 4.6kW)



TECHNICAL PARAMETERS	GSI-1K-P1-GT	GSI-2.2K-P1-GT	GSI-3K-P1-GT	GSI-3.4K-P1-GT	GSI-3.6K-P1-GT	GSI-4.2K-P1-GT	GSI-4.6K-P1-GT
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Input Side							
Max. DC Input Power(kW)	1.2	2.64	3.6	4.08	4.32	5.04	5.5
Max. DC Input Voltage(V)	550						
Start-up DC Input Voltage(V)	80						
MPPT Operating Range(V)	70-500						
Max. DC Input Current(A)	20						
Max. Short Circuit Current(A)	30						
No. of MPPT Tracker	1						
No. of String per MPPT Tracker	1						

Output Side							
Rated Output Power(kW)	1	2.2	3	3.4	3.6	4.2	4.6
Max. Active Power(kW)	1.1	2.42	3.3	3.74	3.96	4.62	5.06
Rated Output Voltage Range(V)	L/N/PE, 220/230						
Grid Frequency Range(Hz)	50 ± 5Hz , 60 ± 5Hz						
Operating Phase	Single phase						
Rated AC Grid Output Current(A)	4.35	9.57	13.04	14.78	15.65	18.26	20.00
Max. AC Output Current(A)	4.78	10.52	14.35	16.26	17.22	20.09	22.00
Output Power Factor	0.8 leading to 0.8 lagging						
Total Harmonics Current Distortion(THDi)	< 3%						
DC Injection(mA)	< 0.5%						

Efficiency							
Max. Efficiency	97.50						
Euro Efficiency	97.30						
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	Optional						
Remote software upload	YES						
Remote change of operating parameters	YES						
Surge protection	DC Type II/AC Type II						

General Data							
Dimensions(WxHxD)mm	280W×310H×184D(Excluding connectors and brackets)						
Weight(kg)	5.6						
Topology	Transformerless						
Internal Consumption	<1W (Night)						
Running Temperature	-25 to +60 °C, >45 °C derating						
Operating Surroundings Humidity	0-100%						
Ingress Protection	IP65						
Noise Emission(Typical)	≤35dB						
Cooling Concept	Natural cooling						
Max. Operating Altitude Without Derating	2000m						
Warranty	10 years						
Grid Connection Standards	IEC 61727, IEC 62116						
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						

ON-GRID INVERTERS

SINGLE PHASE (5kW TO 6kW)



TECHNICAL PARAMETERS	GSI-5K-P1-GT	GSI-5.2K-P1-GT	GSI-5.5K-P1-GT	GSI-6K-P1-GT
Input Side				
Max. DC Input Power(kW)	6	6.2	6.6	7.2
Max. DC Input Voltage(V)	600			
Start-up DC Input Voltage(V)	80			
MPPT Operating Range(V)	70-550			
Max. DC Input Current(A)	20			
Max. Short Circuit Current(A)	30			
No. of MPPT Tracker	1			
No. of Strings per MPPT Tracker	2			
Output Side				
Rated Output Power(kW)	5	5.2	5.5	6
Max. Active Power(kW)	5.5	5.7	6.05	6.6
Rated Output Voltage Range(V)	L/N/PE, 220/230			
Grid Frequency Range(Hz)	50 ± 5Hz, 60 ± 5Hz			
Operating Phase	Single phase			
Rated AC Grid Output Current(A)	21.74	22.6	23.91	26.1
Max. AC Output Current(A)	23.91	24.7	26.30	28.70
Output Power Factor	0.8 leading to 0.8 lagging			
Total Harmonics Current Distortion(THDi)	< 3%			
DC Injection(mA)	<0.5%			
Efficiency				
Max. Efficiency	97.50			
Euro Efficiency	97.30			
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(WxHxD)mm	305W×280H×180D(Excluding connectors and brackets)			
Weight(kg)	7.7			
Topology	Transformerless			
Internal Consumption	<1W(Night)			
Running Temperature	-25 to +60 °C, >45 °C derating			
Operating Surroundings Humidity	0-100%			
Ingress Protection	IP65			
Noise Emission(Typical)	≤35dB			
Cooling Concept	Natural cooling			
Max. Operating Altitude Without Derating	2000m			
Warranty	10 years			
Grid Connection Standards	IEC 61727, IEC 62116			
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			

ON-GRID INVERTERS

THREE PHASE (5kW TO 12kW)



TECHNICAL PARAMETERS	GSI-5K-P3-GT	GSI-6K-P3-GT	GSI-7K-P3-GT	GSI-8K-P3-GT	GSI-10K-P3-GT	GSI-12K-P3-GT
Input Side						
Max. DC Input Power(kW)	6.5	7.8	9.1	10.4	13	15.6
Max. DC Input Voltage(V)	1100					
Start-up DC Input Voltage(V)	140					250
MPPT Operating Range(V)	120~1000					200~1000
Max. DC Input Current(A)	20+20					
Max. Short Circuit Current(A)	30+30					
No. of MPPT Trackers	2					
No. of Strings per MPPT Tracker	1+1					
Output Side						
Rated Output Power(kW)	5	6	7	8	10	12
Max. Active Power(kW)	5.5	6.6	7.7	8.8	11	13.2
Rated Output Voltage Range(V)	3L/N/PE, 220/380V, 230/400V, 0.85Un~1.1Un					
Grid Frequency Range	50 ± 3Hz, 60 ± 3Hz					
Operating Phase	Three Phase					
Rated AC Grid Output Current(A)	7.2	8.7	10.1	11.6	14.5	17.4
Max. AC Output Current(A)	8	9.6	11.2	12.8	15.9	19.1
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	98.3%					
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(WxHxD)mm	386W×660H×250D(Excluding connectors and brackets)					
Weight(kg)	11					
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)	<20dB					
Cooling Concept	Natural 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					

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

ON-GRID INVERTERS

THREE PHASE (18kW TO 25kW)



TECHNICAL PARAMETERS	GSI-18K-P3-GT		GSI-20K-P3-GT		GSI-25K-P3-GT	
Input Side						
Max. DC Input Power(kW)	23.4		26		32.5	
Max. DC Input Voltage(V)			1100			
Start-up DC Input Voltage(V)			250			
MPPT Operating Range(V)			200~1000			
Max. DC Input Current(A)			26+26			
Max. Short Circuit Current(A)			39+39			
No. of MPPT Trackers			2			
No. of Strings per MPPT Tracker			2+2			
Output Side						
Rated Output Power(kW)	18		20		25	
Max. Active Power(kW)	19.8		22		27.5	
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)	26.1		29		36.2	
Max. AC Output Current(A)	30		33.3		41.7	
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			98.6%			
Euro Efficiency			97.8%			
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(WxHxD)mm			362W×527H×220D(Excluding Connectors and Brackets)			
Weight(kg)			20			
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			4000m			
Warranty			10 years			
Grid Connection Standards			IEC 61727, IEC 62116			
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			

ON-GRID INVERTERS

THREE PHASE (30kW TO 35kW)



TECHNICAL PARAMETERS	GSI-30K-P3-GT	GSI-33K-P3-GT	GSI-35K-P3-GT
Input Side			
Max. DC Input Power(kW)	39	42.9	45.5
Max. DC Input Voltage(V)		1100	
Start-up DC Input Voltage(V)		250	
MPPT Operating Range(V)		200-1000	
Max. DC Input Current(A)		40+40	
Max. Short Circuit Current(A)		60+60	
No. of MPPT Trackers		2	
No. of Strings per MPPT Tracker		3+3	
Output Side			
Rated Output Power(kW)	30	33	35
Max. Active Power(kW)	33	36.3	38.5
Rated Output Voltage Range(V)	3L/N/PE, 220/380V, 230/400V, 0.85Un-1.1Un		
Grid Frequency Range(Hz)	50 ± 5Hz, 60 ± 5Hz		
Operating Phase	Three Phase		
Rated AC Grid Output Current(A)	43.5	47.8	50.7
Max. AC Output Current(A)	50	55	58.3
Output Power Factor	0.8 leading to 0.8 lagging		
Total Harmonics Current Distortion(THDi)	<3%		
DC Injection Current(mA)	<0.5%		
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		
Efficiency			
Max. Efficiency	98.6%		
Euro Efficiency	97.8%		
MPPT Efficiency	>99%		
General Data			
Dimensions(WxHxD)mm	362W×577H×215D(Excluding connectors and brackets)		
Weight(kg)	44.5		
Topology	Transformerless		
Running Temperature	-25 to +65°C, >45°C derating		
Ingress Protection	IP65		
Noise Emission(Typical)	≤50dB		
Cooling Concept	Smart cooling		
Max. Operating Altitude Without Derating	2000m		
Warranty	10 years		
Operating Surroundings Humidity	0-100%		
Grid Connection Standards	IEC 61727, IEC 62116		
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		

ON-GRID INVERTERS

THREE PHASE (40kW TO 50kW)



TECHNICAL PARAMETERS	GSI-40K-P3-GT	GSI-45K-P3-GT	GSI-50K-P3-GT
Input Side			
Max. DC Input Power(kW)	52	58.5	65
Max. DC Input Voltage(V)		1100	
Start-up DC Input Voltage(V)		250	
MPPT Operating Range(V)		200-1000	
Max. DC Input Current(A)		40+40+40+40	
Max. Short Circuit Current(A)		60+60+60+40	
No. of MPPT Trackers		4	
No. of Strings per MPPT Tracker		4+4+4+4	
Output Side			
Rated Output Power(kW)	40	45	50
Max. Active Power(kW)	44	49.5	55
Rated Output Voltage Range(V)	3L/N/PE, 220/380V, 230/400V, 0.85Un-1.1Un		
Grid Frequency Range	50 ± 5Hz, 60 ± 5Hz		
Operating Phase	Three Phase		
Rated AC Grid Output Current(A)	58	65.5	72.5
Max. AC Output Current(A)	66.7	75.7	83.3
Output Power Factor	0.8 leading to 0.8 lagging		
Total Harmonics Current Distortion(THDi)	<3%		
DC Injection Current(mA)	<0.5%		
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		
Efficiency			
Max. Efficiency	98.6%		
Euro Efficiency	97.8%		
MPPT Efficiency	>99%		
General Data			
Dimensions(WxHxD)mm	434W×570H×243D(Excluding Connectors and Brackets)		
Weight(kg)	39		
Topology	Transformerless		
Running Temperature	-25 to +65°C, >45°C derating		
Ingress Protection	IP65		
Noise Emission(Typical)	≤50dB		
Cooling Concept	Smart cooling		
Max. Operating Altitude Without Derating	2000m		
Warranty	10 years		
Operating Surroundings Humidity	0-100%		
Grid Connection Standards	IEC 61727, IEC 62116,		
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		

ON-GRID INVERTERS

THREE PHASE (60kW TO 80kW)



TECHNICAL PARAMETERS	GSI-60K-P3-GT	GSI-70K-P3-GT	GSI-75K-P3-GT	GSI-80K-P3-GT
Input Side				
Max. DC Input Power(kW)	78	91	97.5	104
Max. DC Input Voltage(V)	1100			
Start-up DC Input Voltage(V)	250			
MPPT Operating Range(V)	200-1000			
Max. DC Input Current(A)	40+40+40+40			
Max. Short Circuit Current(A)	60+60+60+60			
No. of MPPT Trackers	4			
No. of Strings per MPPT Tracker	4+4+4+4			
Output Side				
Rated Output Power(kW)	60	70	75	80
Max. Active Power(kW)	66	77	82.5	88
Rated Output Voltage Range(V)	3L/N/PE, 220/380V, 230/400V, 0.85Un-1.1Un			
Grid Frequency Range(Hz)	50 ± 5Hz, 60 ± 5Hz			
Operating Phase	Three Phase			
Rated AC Grid Output Current(A)	87	101.5	108.7	116
Max. AC Output Current(A)	100	111	119	127
Output Power Factor	0.8 leading to 0.8 lagging			
Total Harmonics Current Distortion(THDi)	< 3%			
DC Injection Current(mA)	< 0.5%			
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			
Efficiency				
Max. Efficiency	98.7%			
Euro Efficiency	98.3%			
MPPT Efficiency	>99%			
General Data				
Dimensions(WxHxD)mm	647.5W×537H×303.5D(Excluding connectors and brackets)			
Weight(kg)	73.7			
Topology	Transformerless			
Running Temperature	-25 to +65°C, >45°C derating			
Ingress Protection	IP65			
Noise Emission(Typical)	≤55dB			
Cooling Concept	Smart cooling			
Max. Operating Altitude Without Derating	2000m			
Warranty	10 years			
Operating Surroundings Humidity	0-100%			
Grid Connection Standards	IEC 61727, IEC 62116			
Safety Standards	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2			
Features				
Display	LCD 240×160			
Interface	RS485/WiFi/LAN/Local Monitoring			

ON-GRID INVERTERS

THREE PHASE (90kW TO 110kW)



TECHNICAL PARAMETERS	GSI-90K-P3-GT	GSI-100K-P3-GT	GSI-110K-P3-GT
Input Side			
Max. DC Input Power(kW)	135	150	150
Max. DC Input Voltage(V)		1100	
Start-up DC Input Voltage(V)		250	
MPPT Operating Range(V)		200-1000	
Max. DC Input Current(A)		40+40+40+40+40+40	
Max. Short Circuit Current(A)		60+60+60+60+60+60	
No. of MPPT Trackers		6	
No. of Strings per MPPT Tracker		4+4+4+4+4+4	
Output Side			
Rated Output Power(kW)	90	100	110
Max. Active Power(kW)	99	110	121
Rated Output Voltage Range(V)		3L/N/PE, 220/380V, 230/400V, 0.85Un-1.1Un	
Grid Frequency Range(Hz)		50 ± 5Hz, 60 ± 5Hz	
Operating Phase		Three Phase	
Rated AC Grid Output Current(A)	130.4	144.7	159.4
Max. AC Output Current(A)	150	166.7	183.3
Output Power Factor		0.8 leading to 0.8 lagging	
Total Harmonics Current Distortion(THDi)		< 3%	
DC Injection Current(mA)		< 0.5%	
Protection			
DC Reverse Polarity Protection		Yes	
AC Short Circuit Protection		Yes	
AC Output Over Current Protection		Yes	
Output Over Voltage Protection		Yes	
Ground Fault Monitoring		Yes	
Insulation Resistance Protection		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	
Efficiency			
Max. Efficiency		98.7%	
Euro Efficiency		98.3%	
MPPT Efficiency		>99%	
General Data			
Dimensions(WxHxD)mm		826W×516H×312.7D(Excluding Connectors and Brackets)	
Weight(kg)		81	
Topology		Transformerless	
Running Temperature		-25 to +65°C, >45°C derating	
Ingress Protection		IP65	
Noise Emission(Typical)		≤55dB	
Cooling Concept		Smart cooling	
Max. Operating Altitude Without Derating		4000m	
Warranty		10 years	
Operating Surroundings Humidity		0-100%	
Grid Connection Standards		IEC 61727, IEC 62116	
Safety Standards		IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2	
Features			
Display		LCD 240×160	
Interface		RS485/WiFi/LAN/Local Monitoring	

ON-GRID INVERTERS

THREE PHASE (120kW TO 136kW)



TECHNICAL PARAMETERS	GSI-120K-P3-GT	GSI-125K-P3-GT	GSI-130K-P3-GT	GSI-135K-P3-GT	GSI-136K-P3-GT
Input Side					
Max. DC Input Power(kW)	180	187.5	195	202.5	204
Max. DC Input Voltage(V)	1100				
Start-up DC Input Voltage(V)	250				
MPPT Operating Range(V)	200-1000				
Max. DC Input Current(A)	40+40+40+40+40+40+40+40				
Max. Short Circuit Current(A)	60+60+60+60+60+60+60+60				
No. of MPPT Trackers	8				
No. of Strings per MPPT Tracker	4+4+4+4+4+4+4+4				
Output Side					
Rated Output Power(kW)	120	125	130	135	136
Max. Active Power(kW)	132	137	143	148	149
Rated Output Voltage Range(V)	3L/N/PE, 220/380V, 230/400V, 0.85Un-1.1Un				
Grid Frequency Range(Hz)	50 ± 5Hz, 60 ± 5Hz				
Operating Phase	Three Phase				
Rated AC Grid Output Current(A)	174	181.2	188.5	195	197
Max. AC Output Current(A)	200	195	204.6	205	206
Output Power Factor	0.8 leading to 0.8 lagging				
Total Harmonics Current Distortion(THDi)	< 3%				
DC Injection Current(mA)	< 0.5%				
Protection					
DC Reverse Polarity Protection	Yes				
AC Short Circuit Protection	Yes				
AC Output Over Current Protection	Yes				
Output Over Voltage Protection	Yes				
Insulation Impedance 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				
Efficiency					
Max. Efficiency	98.7%				
Euro Efficiency	98.3%				
MPPT Efficiency	>99%				
General Data					
Dimensions(WxHxD)mm	1006W×516H×325.5D(Excluding connectors and brackets)				
Weight(kg)	103				
Topology	Transformerless				
Running Temperature	-25 to +60°C, >45°C derating				
Ingress Protection	IP65				
Noise Emission(Typical)	≤65dB				
Cooling Concept	Intelligent Air cooling				
Max. Operating Altitude Without Derating	2000m				
Warranty	10 years				
Operating Surroundings Humidity	0-100%				
Grid Connection Standards	IEC 61727, IEC 62116				
Safety Standards	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2				
Features					
Display	LCD 240×160				
Interface	RS485/WiFi/LAN/Local Monitoring				

Hybrid Inverters



Single Phase
3kW to 8kW



Three Phase
5kW to 50kW

Features:

-  Transformerless Technology
-  6 to 10 millisecond switching time
-  Battery Supported- Lead Acid/Lithium
-  Supported 48V low Voltage Battery
-  Supports energy storage from diesel generator input
-  100% unbalanced load, up to 50% rated Inverter's power/phase



(Optional 10 Year Warranty)

Applications:



Residential
(Home Rooftops)



Commercial
& Industrial



Farm & Irrigation
Systems

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HYBRID INVERTERS

SINGLE PHASE (3kW TO 8kW)



TECHNICAL PARAMETERS	GSI-3K-P1-HY	GSI-3.6K-P1-HY	GSI-5K-P1-HY	GSI-6K-P1-HY	GSI-8K-P1-HY
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
Max. Discharging Current(A)	70	90	120	135	190
Equalization Charge	3 Stages/Equalization				
Charging Strategy for Li-ion Battery	Self-adaption to BMS				
PV String Input Data					
Max. DC Input Power(W)	3900	4680	6500	7800	10400
Rated PV Input Voltage(V)	370(125-500)				
Start-up Voltage(V)	125				
MPPT Voltage Range(V)	150-425				
Full Load DC Voltage Range(V)	200-425				
PV Input Current(A)	18	18+18			26+26
Max. PV Isc(A)	27	27+27			34+34
No. of MPPT Trackers	1	2			
No. of Strings per MPPT Tracker	1	1+1			2+2
AC Input/Output Data					
Rated AC Input/Output Active Power(W)	3000	3600	5000	6000	8000
Max. AC Input/Output Apparent Power(VA)	3300	3960	5500	6600	8800
Rated AC Input/Output Current(A)	13.1	15.7	21.7	26.1	34.8
Max. AC Input/Output Current(A)	14.4	17.2	23.9	28.7	38.3
Max. Conti. AC Passthrough Current(A)	35			40	50
Peak Power(off-grid) (W)	2 time of rated power, 10 Sec				
Power Factor Adjustment Range	0.8 leading to 0.8 lagging				
Rated Frequency and Voltage Range	50/60Hz, L/N/PE, 220/230V				
Grid Type	Single Phase				
Total Harmonic Current Distortion(THDi)	<3%(of nominal power)				
DC Current Injection	<0.5% In				
Efficiency					
Max. Efficiency	97.60%				
Euro Efficiency	96.50%				
MPPT Efficiency	>99.90%				
Protection					
Integrated	Anti-islanding Protection, PV String Input Reverse Polarity Protection Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge Protection				
Over Voltage Category	DC Type II/AC Type II				
Certifications and Standards					
Grid Regulations	IEC 61727, IEC 62116				
Safety Standards	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2				
General Data					
Operating Temperature Range(°C)	-40-60°C, +45°C Derating				
Cooling Concept	Smart Cooling				
Noise(dB)	≤30dB				
Communication Mode	RS485, CAN				
Weight(kg)	18.4	20.5			24
Dimension(WxHxD)mm	376W×470H×241.5D				330W×580H×232D
Ingress Protection	IP65				
Installation Style	Wall-mounted				
Monitoring Mode	GPRS/WiFi/LAN(Optional)				
Warranty	5 Years(10 Years Optional)				

HYBRID INVERTERS THREE PHASE(LV) (5kW TO 12kW)



TECHNICAL PARAMETERS	GSI-5K-P3-HY	GSI-6K-P3-HY	GSI-8K-P3-HY	GSI-10K-P3-HY	GSI-12K-P3-HY
Battery Input Data					
Battery Type	Lead-acid or Lithium-ion				
Battery Voltage Range(V)	40-60				
Max. Charging Current(A)	120	150	190	210	240
Max. Discharging Current(A)	120	150	190	210	240
Equalization Charge	3 Stages/Equalization				
Charging Strategy for Li-ion Battery	Self-adaption to BMS				
PV String Input Data					
Max. PV Input Power(W)	6500	7800	10400	13000	15600
Max. PV Input Voltage(V)	160-800				
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				
Max. Input Short-Circuit Current(A)	30+30				
No. of MPPT trackers/No. of Strings	2/1+1				
AC Input/Output Data					
Rated AC Input/Output Active Power(W)	5000	6000	8000	10000	12000
Max. AC Input/Output Apparent Power(VA)	5500	6600	8800	11000	13200
Rated AC Input/Output Current(A)	7.3	8.7	11.6	14.5	17.4
Max. AC Input/Output Current(A)	8.4	10	13.4	16.7	20
Max. Conti. AC Passthrough Current(A)	45				
Peak Power(off-grid)(W)	2 times of rated power, 10s				
Power Factor Adjustment Range	0.8 leading to 0.8 lagging				
Rated Frequency and Voltage Range	50 ± 5Hz, 60 ± 5Hz, 400/380V				
Grid Connection Form	3L+N+PE				
Total Harmonics Current Distortion(THDi)	<3%(of Nominal power)				
DC Current Injection	<0.5% In				
Protection					
Integrated	Anti-islanding Protection, PV Sttring Input Reverse Polarity Protection Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge Protection				
Over Voltage Category	TYPE II(DC)/TYPE II(AC)				
Efficiency					
Max. Efficiency	97.6%				
Euro Efficiency	96.5%				
MPPT Efficiency	>99%				
Certifications and Standards					
Grid Regulations	IEC 61727, IEC 62116				
Safety Standards	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2				
General Data					
Operating Temperature Range(°C)	-40 to +60, >45 Derating				
Permissible Ambient Humidity	0-100%				
Noise(dB)	≤55dB				
Ingress Protection	IP65				
Inverter Topology	Non-Isolated				
Dimensions(WxHxD)mm	386W×660H×250D(Excluding Connectors and Brackets)				
Weight(kg)	35.2				
Cooling Concept	Intelligent Air Cooling				
Warranty	5 Years(10 Years Optional)				
Communication Mode	RS485/CAN				
Monitoring Mode	GPRS/WiFi/LAN (Optional)				

HYBRID INVERTERS THREE PHASE(LV) (14kW TO 20kW)

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TECHNICAL PARAMETERS

GSI-14K-P3-HY

GSI-15K-P3-HY

GSI-16K-P3-HY

GSI-18K-P3-HY

GSI-20 K-P3-HY

Battery Input Data

Battery Type	Lead-acid or Lithium-ion				
Battery Voltage Range(V)	40-60				
Max. Charging Current(A)	260	280	300	330	350
Max. Discharging Current(A)	260	280	300	330	350
Equalization Charge	3 Stages/Equalization				
Charging Strategy for Li-ion Battery	Self-adaption to BMS				

PV String Input Data

Max. PV Input Power(W)	18200	19500	20800	23400	26000
Max. PV Input Voltage(V)	160-800				
Start-up Voltage(V)	160				
MPPT Voltage Range(V)	160-650				
Rated PV Input Voltage(V)	550				
Max. Operating PV Input Current(A)	36+36				
Max. Input Short-Circuit Current(A)	54+54				
No. of MPPT trackers/No. of Strings	2/2+2				

AC Input/Output Data

Rated AC Input/Output Active Power(W)	14000	15000	16000	18000	20000
Max. AC Input/Output Apparent Power(VA)	15400	16500	17600	19800	22000
Rated AC Input/Output Current(A)	20.3	21.8	23.2	26.1	29
Max. AC Input/Output Current(A)	23.4	25	26.7	30	33.4
Max. Conti. AC Passthrough Current(A)	70				
Peak Power(off-grid)(W)	2 times of rated power, 10s				
Power Factor Adjustment Range	0.8 leading to 0.8 lagging				
Rated Frequency and Voltage Range	50/60Hz, 400/380V				
Grid Connection Form	3L+N+PE				
Total Harmonics Current Distortion (THDi)	<3%(of nominal power)				
DC Current Injection	<0.5% In				

Protection

Integrated	Anti-islanding Protection, PV String Input Reverse Polarity Protection Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge Protection
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Over Voltage Category	TYPE II(DC)/TYPE II(AC)
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Efficiency

Max. Efficiency	97.6%
Euro Efficiency	97%
MPPT Efficiency	>99%

Certifications and Standards

Grid Regulations	IEC 61727, IEC 62116
Safety Standards	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2

General Data

Operating Temperature Range(°C)	-40 to +60°C, >45°C Derating
Permissible Ambient Humidity	0-100%
Noise(dB)	≤60dB
Ingress Protection	IP65
Inverter Topology	Non-Isolated
Dimensions(WxHxD)mm	456W×750H×268.5D(Excluding Connectors and Brackets)
Weight(kg)	50.6
Cooling Concept	Intelligent Air Cooling
Warranty	5 Years(10 Years Optional)
Communication Mode	RS485/CAN
Monitoring Mode	GPRS/WiFi/LAN(Optional)

HYBRID INVERTERS THREE PHASE(HV) (30kW TO 50kW)

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TECHNICAL PARAMETERS

GSI-30K-P3-HY

GSI-35K-P3-HY

GSI-40K-P3-HY

GSI-50K-P3-HY

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-adaption to BMS			
Number of Battery Input	2			

PV String Input Data

Max. PV Input Power(W)	39000	45500	52000	65000
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 MPPT trackers/No. of Strings	3/2+2+2		4/2+2+2+2	

AC Input/Output Data

Rated AC Input/Output Active Power(W)	30000	35000	40000	50000
Max. AC Input/Output Apparent Power(VA)	33000	38500	44000	55000
Rated AC Input/Output Current(A)	43.5	50.8	58	72.5
Max. AC Input/Output Current(A)	50	58.4	66.7	83.4
Max. Conti. AC Passthrough Current(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 Frequency and Voltage Range	50/60Hz, 400/380V			
Grid Connection Form	3L+N+PE			
Total Harmonics Current Distortion (THDi)	<3%(of nominal power)			
DC Current Injection	<0.5% In			

Protection

Integrated	Anti-islanding Protection, PV String Input Reverse Polarity Protection Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge Protection
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Over Voltage Category	TYPE II(DC)/TYPE II(AC)
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Efficiency

Max. Efficiency	97.6%
Euro Efficiency	97%
MPPT Efficiency	>99%

Certifications and Standards

Grid Regulations	IEC 61727, IEC 62116
Safety Standards	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2

General Data

Operating Temperature Range(°C)	-40 to +60°C, >45°C Derating
Permissible Ambient Humidity	0-100%
Noise(dB)	<60dB
Ingress Protection	IP65
Inverter Topology	Non-Isolated
Dimensions(WxHxD)mm	527W×894H×294D(Excluding Connectors and Brackets)
Weight(kg)	80
Cooling Concept	Intelligent Air Cooling
Warranty	5 Years(10 Years Optional)
Communication Mode	RS485/CAN
Monitoring Mode	GPRS/WiFi/LAN(Optional)



Micro Inverter

0.6kW to 2.2kW

Features:

-  25 years Design Lifetime
-  IP67 Protection Degree
-  With Integrated Wi-Fi
-  Rapid Shutdown Function
-  Independent MPPT



Applications:



Residential
(Home Rooftops)



Commercial
& Industrial



Harsh weather
condition

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MICRO INVERTERS

SINGLE PHASE (0.6kW TO 1kW)



TECHNICAL PARAMETERS	GSI-600W2M-MIC	GSI-800W2M-MIC	GSI-1000W2M-MIC
PV String Input Data			
Max. PV Input Power(W)	210-420(2 PCS)	210-560(2 PCS)	210-700(2 PCS)
Max. PV Input Voltage(V)		60	
Start-up Voltage(V)		20	
MPPT Voltage Range(V)		25-55	
Rated PV Input Voltage(V)		42.5	
Max. Operating PV Input Current(A)		18+18	
Max. Input Short Circuit Current(A)		27+27	
No. of MPPT Trackers/No. of Strings		2/1	
AC Output Side			
Rated AC Output Active Power(W)	600	800	1000
Max. AC Output Apparent Power(VA)	600	800	1000
Rated AC Output Current(A)	2.4	3.2	4
Max. AC Output Current(A)	2.5	3.3	4.3
Rated Output Voltage Range(V)		220/230, 0.85Un-1.1Un	
Grid Connection Form		L/N/PE	
Rated Grid Frequency Range		50 ± 5Hz, 60 ± 5Hz	
Max. Unit per Branch	8	6	5
Power Factor Adjustment Range		0.9 leading-0.9 lagging	
Total Current Harmonic Distortion(THDi)		<3%	
DC Injection Current		<0.5%In	
Efficiency			
Max. Efficiency		96.5%	
Euro Efficiency		96%	
MPPT Efficiency		>99%	
Equipment Protection			
DC Reverse Polarity Connection Protection		Yes	
AC Output Over Current Protection		Yes	
AC Output Over Voltage Protection		Yes	
AC Output Short Circuit Protection		Yes	
Thermal Protection		Yes	
DC Terminal Insulation Impedance Monitoring		Yes	
Power Network Monitoring		Yes	
Island Protection Monitoring		Yes	
Earth Fault Detection		Yes	
Over Voltage Load Drop Protection		Yes	
General Data			
Operating Temperature Range(°C)		-40 to +60°C, >45°C Derating	
Permissible Ambient Humidity		0-100%	
Permissible Altitude(m)		2000m	
Noise(dB)		≤25dB	
Ingress Protection		IP67	
Inverter Topology		Isolated	
Monitoring Mode		WiFi	
Dimensions(WxHxD)mm		280.5W×190H×40D(Excluding Connectors and Brackets)	
Weight(kg)		3	
Warranty		10 Years	
Cooling Concept		Natural Cooling	
Grid Regulations		IEC 61727, IEC 62116	
Safety Standards		IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2	

MICRO INVERTERS

SINGLE PHASE (1.6kW TO 2.2kW)



TECHNICAL PARAMETERS	GSI-1600W4M-MIC	GSI-1800W4M-MIC	GSI-2000W4M-MIC	GSI-2200W4M-MIC	GSI-2250W4M-MIC
PV String Input Data					
Max. PV Input Power(W)	210-560(4 PCS)	210-630(4 PCS)	210-700(4 PCS)	210-700(4 PCS)	210-700(4 PCS)
Max. PV Input Voltage(V)	60				
Start-up Voltage(V)	20				
MPPT Voltage Range(V)	25-55				
Rated PV Input Voltage(V)	42.5				
Max. Operating PV Input Current(A)	18+18+18+18				
Max. Input Short Circuit Current(A)	27+27+27+27				
No. of MPPT Trackers/No. of Strings	4/1				
AC Output Side					
Rated AC Output Active Power(W)	1600	1800	2000	2200	2250
Max. AC Output Apparent Power(VA)	1600	1800	2000	2200	2250
Rated AC Output Current(A)	7	7.9	8.7	9.3	9.6
Max. AC Output Current(A)	7.3	8.2	9.1	9.5	9.8
Rated Output Voltage Range(V)	220/230, 0.85Un~1.1Un				
Grid Connection Form	L/N/PE				
Rated Output Grid Frequency Range(Hz)	50 ± 5Hz, 60 ± 5Hz				
Max. Unit per Branch	4	3			
Power Factor Adjustment Range	0.9 leading~0.9 lagging				
Total Current Harmonic Distortion (THDi)	<3%				
DC Injection Current	<0.5%In				
Efficiency					
Max. Efficiency	96.5%				
Euro Efficiency	96%				
MPPT Efficiency	>99%				
Equipment Protection					
DC Reverse Polarity Connection Protection	Yes				
AC Output Over Current Protection	Yes				
AC Output Over Voltage Protection	Yes				
AC Output Short Circuit Protection	Yes				
Thermal Protection	Yes				
DC Terminal Insulation Impedance Monitoring	Yes				
Power Network Monitoring	Yes				
Island Protection Monitoring	Yes				
Earth Fault Detection	Yes				
Over Voltage Load Drop Protection	Yes				
General Data					
Operating Temperature Range(°C)	-40 to +60°C, >45°C Derating				
Permissible Ambient Humidity	0-100%				
Permissible Altitude(m)	2000m				
Noise(dB)	≤25dB				
Ingress Protection	IP67				
Inverter Topology	Isolated				
Monitoring Mode	WiFi				
Dimensions(WxHxD)mm	358W×255.5H×36.5D(Excluding Connectors and Brackets)				
Weight(kg)	4.95				
Warranty	10 Years				
Cooling Concept	Natural Cooling				
Grid Regulations	IEC 61727, IEC 62116				
Safety Standards	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2				



Li-Ion Battery

4.8/5.12kWh

Features:

-  3000/6000 life cycles
-  80-90% depth of discharge (DOD)
-  0.5C to 1C charge/discharge rate
-  Supports up to 16/32 batteries in parallel
-  Support lithium iron phosphate (LFP) chemistry



Applications:



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LITHIUM-ION (LFP) BATTERY(4.8/5.12kWh)

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		GS-B4.8	GS-B5.1
Main Parameter			
Battery Chemistry		LiFePO ₄	
Capacity		100Ah	
Scalability		Max. 32 pcs in parallel	
Nominal Voltage		51.2V	
Operating Voltage		44.8V ~ 57.6V	
Nominal Energy		5.12	
Charge Current	Max. Continuous	100A	
	Peak	120A(10 sec)	
Discharge Current	Max. Continuous	120A	
	Peak	150A(10 sec)	
Other Parameter			
Recommended Depth of Discharge		80%	
Dimension(WXHXD)mm		370W×548H×140D	
Weight(kg)		41	
LED Indicator		LED(SOC, working, protecting)& Buzzer	
IP Rating of enclosure		IP21	
Operating Temperature		Charge: 0~55℃/Discharge: -20℃~55℃	
Storage Temperature		0~35℃	
Relative Humidity		95%(non-condensing)	
Altitude		≤3000m	
Cycle Life		≥3000(25℃±2℃, 70%EOL)	≥6000(25℃±2℃, 70%EOL)
Installation		Wall-Mounted, Floor-Mounted, Stack-Mounted	
Communication		CAN2.0, RS485, Bluetooth+APP	
Warrantry		5/10 years	
Energy Throughout		16 MWh	



Residential All-in-one ESS

(3.6 or 5kW/5.3kWh)

Features:

-  Max.16 units in parallel
-  Fast switching time of 4ms
-  Built-in Intelligent BMS
-  3.6 or 5kW hybrid inverter with 5.3kWh LFP battery
-  Easy control via App, PC, or Touch Display



Applications:



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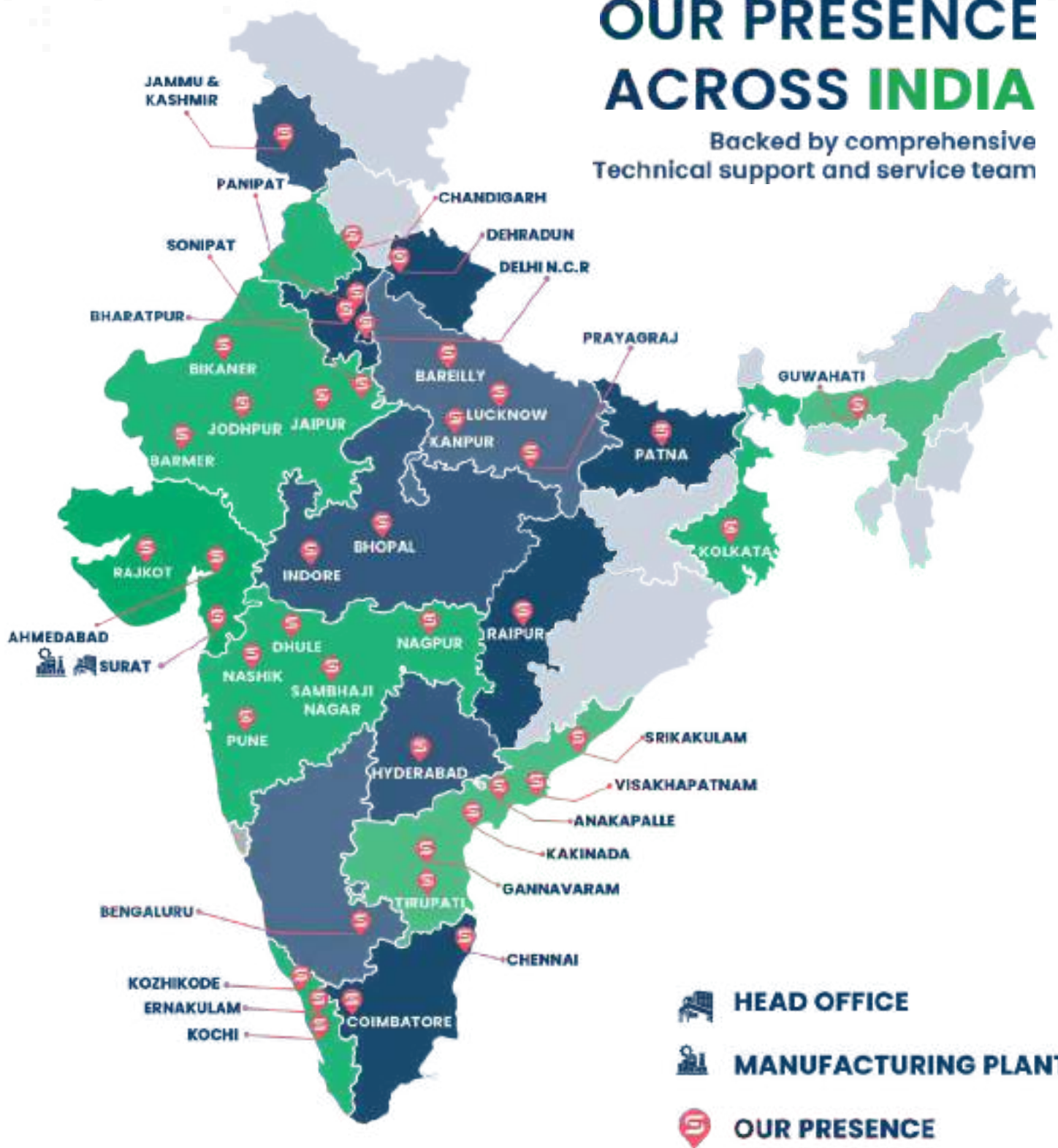
ALL-IN-ONE ESS SOLUTION (3.6 or 5kW/5.3kwh)



TECHNICAL PARAMETERS		GSAI-3.6		GSAI-5.0	
AC Technical Specification					
Rated AC Input/Output Active Power(W)		3600/3600		5000/5000	
Max AC Input/Output Apparent Power(VA)		3960		5500	
Peak Power(off grid)		2 time of rated power, 10s			
Rated AC Input/Output Current(A)		16.4/15.7		22.8/21.8	
Max . AC Input/Output Current(A)		18/17.3		25/24	
Max Continuous AC Passthrough(grid to load)(A)		35			
Rated Input/Output Voltage/ Range(V)		220/230 0.85Un to 1.1Un			
Grid Connection Form		L+N+PE			
Rated Input/Output Grid Frequency/Range		50Hz/45Hz-55Hz, 60Hz/55Hz-65Hz			
Power Factor Adjustment Range		0.8 leading to 0.8 lagging			
Total Harmonic Distortion(THD)		<3%(of nominal power)			
DC injection current(A)		<0.5% In			
DC Technical Specification					
Max . PV Access Power(W)		7200		10000	
Max . PV Input Power(W)		5760		8000	
Max . PV Input Voltage(V)		500			
Start Up PV Voltage(V)		125			
MPPT Voltage Range(V)		150 to 425			
Full Load MPPT Voltage Range(Vdc)		300 to 425			
Rated PV Input Voltage(V)		370			
Max . Operating PV Input Current(A)		18+18			
Max . PV Input Short-circuit Current(A)		27+27			
Number of MPP Trackers		2			
No . of Strings MPP Tracker		1+1			
Battery Chemistry		LiFePO4			
Battery Nominal Voltage(V)		51.2			
Battery Energy Configuration(kWh)		5.32			
Max . Charging/Discharging Current(A)		75		100	
Battery Operating Voltage(V)		44.8 to 57.6			
Battery Cycle Life		≥6000(@25°C ±2°C, 0.5C/0.5C ,70%EOL)			
General Technical Specification					
Dimension(WxDxH)mm		616×191×690(Excluding connectors and brackets)			
Weight(kg)		74.5			
Ingress Protection (IP) Rating		IP65			
Operating Temperature Range		-10°Cto 55°C(>45°derating)			
Permissible Ambient Humidity		0 to 100%			
Permissible Altitude		3000m			
Inverter Topology		Non-Isolated			
Over Voltage Category		OVC II(DC) ,OVC III(AC)			
Pollution degree(PD)		PD3			
Type Of Cooling		Natural Cooling			
Noise(dB)		≤45			
Display		Touch LCD			
Monitor Mode		WiFi , Bluetooth			
Installation Style		Wall-Mounted			
Max. Efficiency		97%			
Max. charging/discharging Efficiency		95.5%			
MPPT Efficiency		>99%			

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