

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				