

DSS Series

Single Phase Hybrid Ready Inverter



Technical Data		GW3600D-SS	GW4200D-SS	GW5000D-SS
PV String Input Data	Max. DC Input Power (W)	4680	5500	6500
	Max. DC Input Voltage (V)		600	
	MPPT Range (V)		80~550	
	Start-up Voltage (V)		80	
	Nominal DC Input Voltage (V)		360	
	Max. Input Current (A)		12.5/12.5	
	Max. Short Current (A)		15.6	
	No. of MPP Trackers		2	
	No. of Input Strings per Tracker		1	
AC Output Data	Nominal Output Power (W)	3600	4200	5000
	Max. Output Apparent Power (VA)	3960	4620	5500
	Nominal Output Voltage (V)		220/230	
	Nominal Output Frequency (Hz)		50/60	
	Max. Output Current (A)	18	21	25
	Output Power Factor		~1 (Adjustable from 0.8 leading to 0.8 lagging)	
	Output THDi (@Nominal Output)		<3%	
Efficiency	Max. Efficiency	98.6%	98.6%	98.6%
	European Efficiency	>98%	>98%	>98%
Protection	Anti-Islanding Protection	Integrated		
	Input Reverse Polarity Protection	Integrated		
	Insulation Resistor Detection	Integrated		
	DC SPD Protection	Integrated		
	AC SPD Protection	Integrated		
	Residual Current Monitoring Unit	Integrated		
	Output Over Current Protection	Integrated		
	Output Short Protection	Integrated		
Output Over Voltage Protection	Integrated			
General Data	Operating Temperature Range (°C)	-25~60		
	Relative Humidity	0~100%		
	Operating Altitude (m)	≤4000		
	Cooling	Natural Convection		
	Noise (dB)	<25		
	User Interface	LCD or APP		
	Communication	WiFi		
	Weight (kg)	11		
	Size (Width*Height*Depth mm)	336*400*124		
	Protection Degree	IP65		
	Night Self-Consumption (W)	<1		
Topology	Transformerless			
Certifications & Standards	Grid Regulation	VDE4105-AR-N, VDE0126-1-1z, AS4777.2, CEI 0-21, RD1699, IEEE1547, ABNT NBR 16149 : 2013		
	Safety Regulation	IEC 62109		
	EMC	EN61000		