

Smart & Superb

DSS Series

Dual-MPPT, Single-Phase

- Compatible with double-glass bifacial modules
- Connectors temperature sensor
- Highest efficiency up to 98.6%
- Rapid shutdown & optimization solution



The new GoodWe DSS series is the first single-phase on-grid inverter in the market compatible with bifacial double-glass modules. Awarded with the prestigious Red Dot Design Award for its beautiful aesthetics and user friendly design with a color LED screen display, the DSS series inverter is now 30% lighter for easier installation both indoors and outdoors. Furthermore, DC oversizing of up to 35% and AC overloading of 10% is allowed. Thanks to its reliable performance, the DSS series can reach the highest efficiency of up to 98.6%.

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	600	600
MPPT Range (V)	80~550	80~550	80~550
Start-up Voltage (V)	80	80	80
Nominal DC Input Voltage (V)	360	360	360
Max. Input Current (A)	12.5/12.5	12.5/12.5	12.5/12.5
Max. Short Current (A)	15.6	15.6	15.6
No. of MPP Trackers	2	2	2
No. of Input Strings per Tracker	1	1	1
AC Output Data			
Nominal Output Power (W)	3600	4200	5000
Max. Output Apparent Power (VA)	3960	4620	5500
Nominal Output Voltage (V)	220V/230V	220V/230V	220V/230V
Nominal Output Frequency (Hz)	50/60	50/60	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%	<3%	<3%
Efficiency			
Max. Efficiency	98.6%	98.6%	98.6%
European Efficiency	>98%	>98%	>98%
Protection			
Anti-Islanding Protection	Integrated	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	Integrated	Integrated
Insulation Resistor Detection	Integrated	Integrated	Integrated
DC SPD Protection	Integrated	Integrated	Integrated
AC SPD Protection	Integrated	Integrated	Integrated
Residual Current Monitoring Unit	Integrated	Integrated	Integrated
Output Over Current Protection	Integrated	Integrated	Integrated
Output Short Protection	Integrated	Integrated	Integrated
Output Over Voltage Protection	Integrated	Integrated	Integrated
General Data			
Operating Temperature Range (°C)	-25~60	-25~60	-25~60
Relative Humidity	0~100%	0~100%	0~100%
Operating Altitude (m)	≤4000	≤4000	≤4000
Cooling	Natural Convection		
Noise (dB)	<25	<25	<25
User Interface	LCD or APP	LCD or APP	LCD or APP
Communication	WiFi	WiFi	WiFi
Weight (kg)	11	11	11
Size (Width*Height*Depth mm)	336*400*124	336*400*124	336*400*124
Protection Degree	IP65	IP65	IP65
Night Self Consumption (W)	<1	<1	<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	IEC62109		
EMC	EN61000		

  Color Options