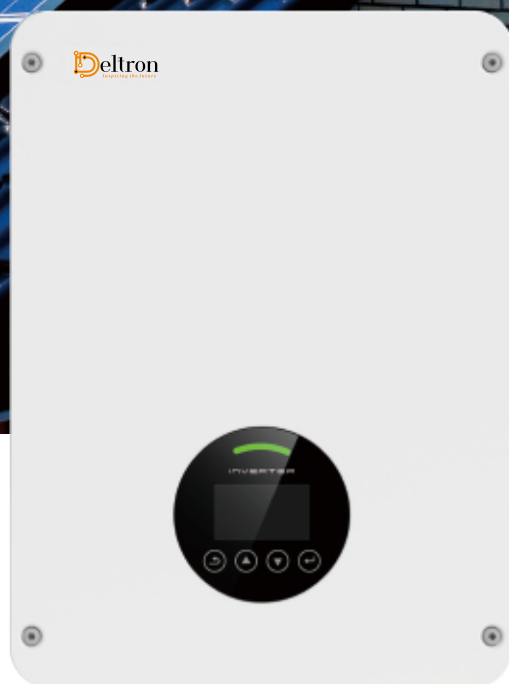


DSG 3000 SERIES

1kw -3kVA/1P/PF-1

String Grid-Tied PV Inverter

DSG 3000 Series (1000w, 1500w, 2000w 3000w) is a string inverter designed for residential PV applications. This small and smart device provides you with a better choice for residential PV systems with its compatibility with big capacity PV panels up to 600V DC and 1.5 DC/AC ratio. It also has an efficiency rate of 97.6% European efficiency, making it ideal for higher power generation. Its elegance and small size (less than 8kg) make it particularly easy to carry and install. Its intelligent energy management system brings comfort and easy operation.



Max. PV voltage up to 600V
DC/AC ratio up to 1.5



Compatible for big capacity PV panel
WiFi / 4G Plug optional



Type II DC SPD/Type III AC SPD
IP65 protection



High efficiency up to 97.6%
Smaller and lighter

MODEL	DSG 1000S	DSG 1500S	DSG 2000S	DSG 3000S
Input(DC)				
Max. DC Voltage	600Vdc	600Vdc	600Vdc	600Vdc
Nominal Voltage	380Vdc	380Vdc	380Vdc	380Vdc
Start Voltage	60V	80V	80V	80V
MPPT Voltage Range	60V-560V	80V-560V	80V-560V	80V-560V
Number of MPP Tracker	1	1	1	1
Strings Per MPP Tracker	1	1	1	1
Max. input Current Per MPPT	13A	13A	13A	13A
Max. Short-circuit Current Per MPPT	15.6A	15.6A	15.6A	15.6A
Output(AC)				
Nominal AC Output Power	1000W	1500W	2000W	3000W
Max. AC Apparent Power	1100VA	1650VA	2200VA	3300VA
Nominal AC Voltage	230V L-N	230V L-N	230V L-N	230V L-N
AC Grid Frequency Range	50Hz / 60Hz±5Hz	50Hz / 60Hz±5Hz	50Hz / 60Hz±5Hz	50Hz / 60Hz±5Hz
Max. Output Current (A)	4.8A	7.2A	9.6A	14.4A
Power Factor (cosΦ)	0.8 leading to 0.8 lagging			
THDi	<3%			
Efficiency				
Max. Efficiency	97.00%	97.50%	97.50%	97.60%
Euro Efficiency	96.50%	97.00%	97.00%	97.00%
Protection devices				
DC Switch	Yes	Yes	Yes	Yes
Anti-islanding Protection	Yes	Yes	Yes	Yes
Output Over Current	Yes	Yes	Yes	Yes
DC Reverse Polarity Protection	Yes	Yes	Yes	Yes
String Fault Detection	Yes	Yes	Yes	Yes
Surge Protection	DC Type III;AC Type III			
Insulation Detection	Yes	Yes	Yes	Yes
AC Short Circuit Protection	Yes	Yes	Yes	Yes
General Specifications				
Dimensions W x H x D	350*290*120mm			
Weight	7.3kg	8kg	8kg	8kg
Environment				
Operating Temperature Range	-25°C~+60°C			
Cooling Type	Natural			
Max. Operation Altitude	4000m			
Max. Operation Humidity	0-100%			
AC Output Terminal Type	Quick Connector			
IP Class	IP65			
Topology	Transformer-less			
Communication Interface	RS485/WIFI/4G			
Display	LCD			
Certification & Standard	EN/IEC62109-1/2; IEC/EN61000-6-2;IEC/EN61000-6-4;IEC62116;IEC61727;EN50549-1			

*Specifications subject to change without prior notice.