

Three Phase String Inverter

DSC- 5 /10 K-G03



2 MPP trackers, Max. efficiency up to 98.3%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)

Model	DSC-5K-G03	DSC-10K-G03
Input Side		
Max. DC Input Power (kW)	6.5	13
Max. DC Input Voltage (V)	1000	
Start-up DC Input Voltage (V)	140	
MPPT Operating Range (V)	120~850	
Max. DC Input Current (A)	12.5+12.5	
Number of MPPT / Strings per MPPT	2/1	
Output Side		
Rated Output Power (kW)	5	10
Max. Active Power (kW)	5.5	11
Rated AC Grid Voltage (V)	220/ 380, 230/ 400	
AC Grid Voltage Range (V)	277Vac~460Vac (this may vary with grid standards)	
Rated Grid Frequency (Hz)	50 / 60 (Optional)	
Operating Phase	Three phase	
Rated AC Grid Output Current (A)	7.2	14.5
Max. AC Output Current (A)	8	15.9
Output Power Factor	0.8 leading to 0.8 lagging	
Grid Current THD	<3%	
DC Injection Current (mA)	<0.5%	
Grid Frequency Range	47~52 or 57~62 (Optional)	
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 Overcurrent Protection	Yes	
Output Overvoltage 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		
Size (mm)	330Wx430Hx177D	
Weight (kg)	15	
Topology	Transformerless	
Internal Consumption	<1W (Night)	
Running Temperature	-25~65°C	
Ingress Protection	IP65	
Noise Emission (Typical)	<25 dB	
Cooling Concept	Natural cooling	
Max. Operating Altitude Without Derating	2000m	
Designed Lifetime	>20 years	
Grid Connection Standard	EN50549-1, IEC61727, IEC62116, IEC60088, IEC61683, VDE 0126-1-1, RD1699, UNE 206006 IN, UNE 206007-1 IN, UNE 217001 IN	
Operating Surroundings Humidity	0~100%	
Safety EMC / Standard	IEC62109-1/-2, IEC61000-6-1, IEC61000-6-3, IEC61000-3-2, IEC61000-3-11, IEC61000-3-12	
Features		
DC Connection	MC-4 mateable	
AC Connection	IP65 rated plug	
Display	LCD1602	
Interface	RS-485/RS232/WiFi/LAN	