

Three Phase String Inverter

SUN- 15 / 17 K-G03



2 MPP tracker, Max. efficiency up to 98.5%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)

Deye

Clean Power For You

Model	SUN-15K-G03	SUN-17K-G03
Input Side		
Max. DC Input Power (kW)	19.5	19.5
Max. DC Input Voltage (V)		1000
Start-up DC Input Voltage (V)		250
MPPT Operating Range (V)		200~850
Max. DC Input Current (A)		13+26
Max. Short Circuit Current (A)		19.5+39
Number of MPPT / Strings per MPPT		2 / 1+2
Output Side		
Rated Output Power (kW)	15	17
Max. Active Power (kW)	16.5	18.7
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)	21.8	24.6
Max. AC Output Current (A)	23.9	27.1
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		98.5%
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)		330Wx472Hx202D
Weight (kg)		15
Topology		Transformerless
Internal Consumption		<1W (Night)
Running Temperature		-25~65°C
Ingress Protection		IP65
Noise Emission (Typical)		<45 dB
Cooling Concept		Smart cooling
Max. Operating Altitude Without Derating		2000m
Designed Lifetime		>20 years
Grid Connection Standard		EN50549-1, IEC61727, IEC62116, IEC60068, 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, IEC61000-3-11, IEC61000-3-12
Features		
DC Connection		MC-4 mateable
AC Connection		IP65 rated plug
Display		LCD1602
Interface		RS485/RS232/Wifi/LAN