






Three Phase String Inverter

SUN-10 K-G03



-  2 MPP tracker, Max. efficiency up to 98.3%
-  Zero export application, VSG application
-  String intelligent monitoring (optional)
-  Wide output voltage range
-  Ani-PID function (Optional)

Deye

Clean Power For You

Technical Specifications

SUN-10 K-G03

Model	SUN-10K-G03
Input Side	
Max. DC Input Power (kW)	13
Max. DC Input Voltage (V)	1000
Start-up DC Input Voltage (V)	200
MPPT Operating Range (V)	200~800
Max. DC Input Current (A)	12.5+12.5
Number of MPPT / Strings per MPPT	2/1
Output Side	
Rated Output Power (kW)	10
Max. Active Power (kW)	11
Rated AC Grid Voltage (V)	380 / 400
AC Grid Voltage Range (V)	277~460
Rated Grid Frequency (Hz)	50 / 60 (Optional)
Operating Phase	Three phase
Rated AC Grid Output Current (A)	14.5
Max. AC Output Current (A)	16
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
Islanding Protection	Yes
Temperature Protection	Yes
Integrated DC Switch	Yes
Surge protection	DC Type II / AC Type II
General Data	
Size (mm)	330W × 430H × 177D
Weight (kg)	15
Topology	Transformerless
Internal Consumption	<1W (Night)
Running Temperature	-25~60°C
Ingress Protection	IP65
Noise Emission (Typical)	<30 dB
Cooling Concept	Natural cooling
Max. Operating Altitude Without Derating	2000m
Designed Lifetime	>20 years
Grid Connection Standard	EN50549, IEC61727
Operating Surroundings Humidity	0-100%
Safety EMC / Standard	IEC62109-1/-2, EN61000-6-1, EN61000-6-3
Features	
DC Connection	MC-4 mateable
AC Connection	IP65 rated plug
Display	LCD1602
Interface	RS485 / RS232