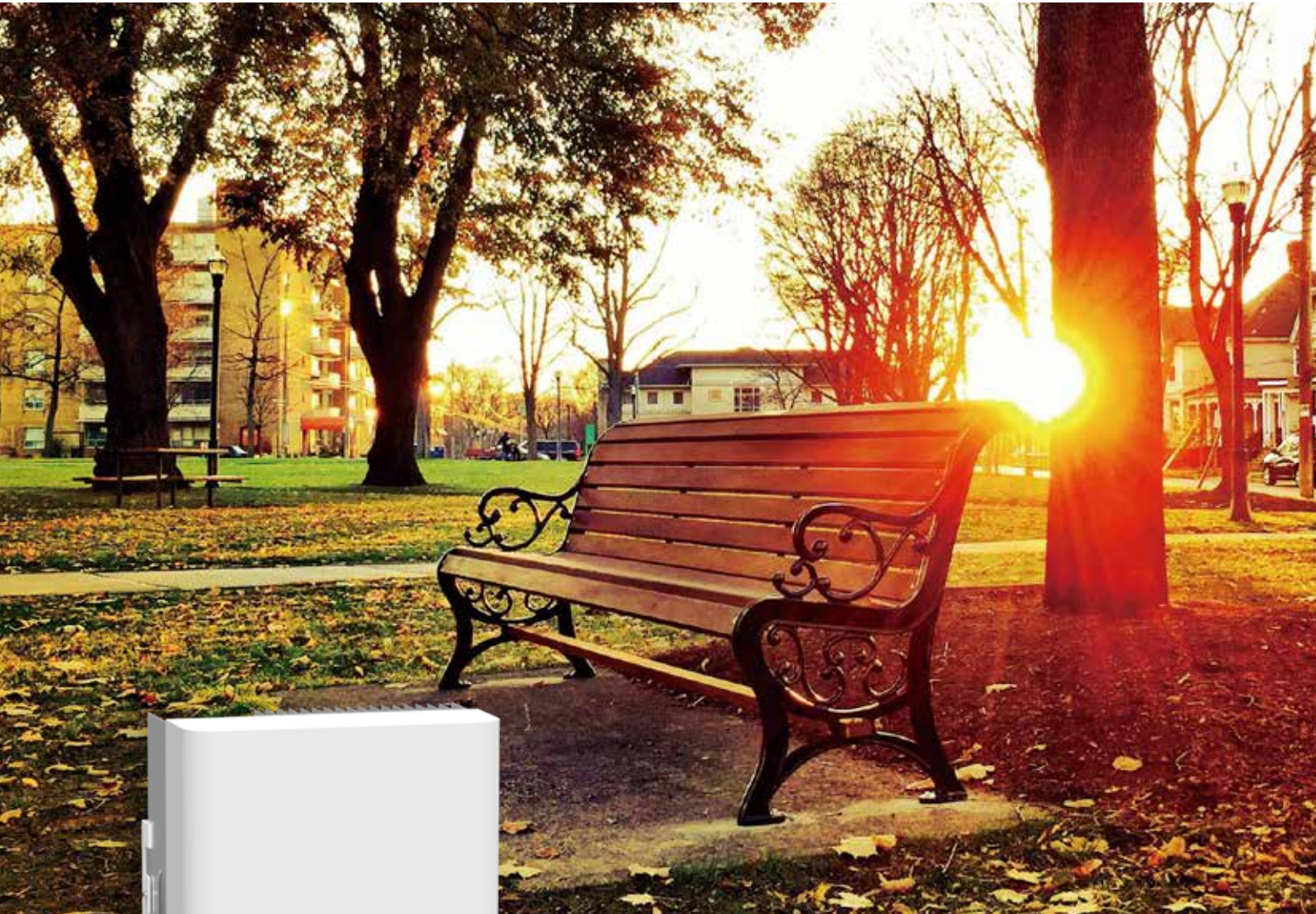


# Three Phase String Inverter

## SUN- 4 / 5 / 6 / 7 / 8 / 10 / 12 K-G03 Plus



2 MPP trackers, Max. efficiency up to 98.3%

16

Max. DC input current of 16A/string, adapt to 600W solar panel

0

Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)

**Deye**

Clean Power For You

Model	SUN-4K -G03-P	SUN-5K -G03-P	SUN-6K -G03-P	SUN-7K -G03-P	SUN-8K -G03-P	SUN-10K -G03-P	SUN-12K -G03-P	
<b>Input Side</b>								
Max. DC Input Power (kW)	5.2	6.5	7.8	9.1	10.4	13	15.6	
Max. DC Input Voltage (V)	1000							
Start-up DC Input Voltage (V)	140							
MPPT Operating Range (V)	120~850							
Max. DC Input Current (A)	16+16							
Max. Short Circuit Current (A)	24+24							
Number of MPPT / Strings per MPPT	2/1							
<b>Output Side</b>								
Rated Output Power (kW)	4	5	6	7	8	10	12	
Max. Active Power (kW)	4.4	5.5	6.6	7.7	8.8	11	13.2	
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)	5.8	7.2	8.7	10.1	11.6	14.5	17.4	
Max. AC Output Current (A)	6.4	8	9.6	11.2	12.8	15.9	19.1	
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)							
<b>Efficiency</b>								
Max. Efficiency	98.3%							
Euro Efficiency	97.5%							
MPPT Efficiency	>99%							
<b>Protection</b>								
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							
<b>General Data</b>								
Size (mm)	330Wx457Hx185D						330Wx457Hx205D	
Weight (kg)	10						11	
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, 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, IEC61000-3-2, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12							
<b>Features</b>								
DC Connection	MC-4 mateable							
AC Connection	IP65 rated plug							
Display	LCD1602							
Interface	RS485/RS232/Wifi/LAN							