

# Three Phase String Inverter

## SUN- 18 / 20 / 25 / 30 / 33 K-G04



2 MPP tracker, Max. efficiency up to 98.6%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)

**Deye**

*Clean Power For You*

Model	SUN-18K-G04	SUN-20K-G04	SUN-25K-G04	SUN-30K-G04	SUN-33K-G04
<b>Input Side</b>					
Max. DC Input Power (kW)	21.6	26	32.5	32.5	32.5
Max. DC Input Voltage (V)	1000				
Start-up DC Input Voltage (V)	250				
MPPT Operating Range (V)	200~850				
Max. DC Input Current (A)	25+25	25+25	30+30	36+36	36+36
Number of MPPT / Strings per MPPT	2 / 2	2 / 2	2 / 3	2 / 3	2 / 4
<b>Output Side</b>					
Rated Output Power (kW)	18	20	25	30	33
Max. Active Power (kW)	19.8	22	27.5	33	36.3
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)	26.1	29	36.2	43.5	47.8
Max. AC Output Current (A)	28.7	31.9	39.9	47.8	52.8
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	98.6%				
Euro Efficiency	97.8%				
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)	400Wx520Hx240.5D				
Weight (kg)	28				
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,VDE 0126-1-1				
Operating Surroundings Humidity	0-100%				
Safety EMC / Standard	IEC62109-1/-2,IEC61000-6-2,IEC61000-6-4				
<b>Features</b>					
DC Connection	MC-4 mateable				
AC Connection	IP65 rated plug				
Display	LCD 240 × 160				
Interface	RS485/RS232/Wifi/LAN				