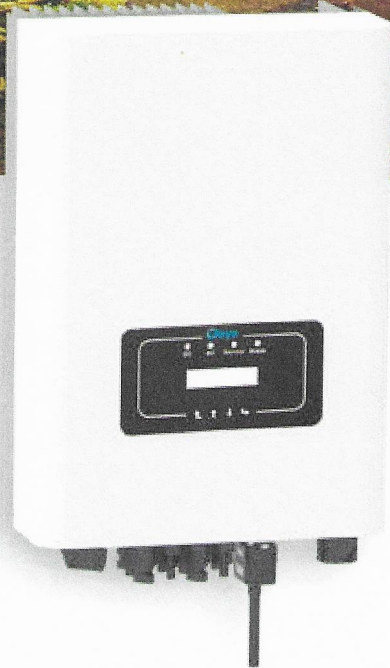


# Three Phase String Inverter

SUN-20/25K-G04



2 MPPT trackers, Max. efficiency up to 98.6%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)

**Deye**

Stock Code: 605117.SH



# Technical Data

www.deyeinverter.com

Model	SUN-20K-G04	SUN-25K-G04
<b>Input Side</b>		
Max. DC Input Power (kW)	26	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)	32+32	
Max. Short Circuit Current (A)	48+48	
No. of MPP Trackers		2
No. of Strings per MPP Tracker	3+3	
<b>Output Side</b>		
Rated Output Power (kW)	20	25
Max. Active Power (kW)	22	27.5
Nominal Output Voltage / Range (V)		3L/N/PE 220/380V, 230/400V
Rated Grid Frequency (Hz)		50 / 60 (Optional)
Operating Phase		Three Phase
Rated AC Grid Output Current (A)	30.3/29	37.9/36.2
Max. AC Output Current (A)	33.3/31.9	41.7/39.8
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>		
Cabinet Size (WxHxD mm)	362×577×215 (Excluding Connectors and Brackets)	
Weight (kg)	23	
Topology	Transformerless	
Internal Consumption	<1W (Night)	
Running Temperature	-25-65°C, >45°C Derating	
Ingress Protection	IP65	
Noise Emission (Typical)	≤40 dB	
Cooling Concept	Smart Cooling	
Max. Operating Altitude Without Derating	2000m	
Warranty	5 Years	
Grid Connection Standard	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150	
Operating Surroundings Humidity	0-100%	
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2	
<b>Features</b>		
DC Connection	MC-4 Mateable	
AC Connection	IP65 Rated Plug	
Display	LCD1602	
Interface	RS485/RS232/Wifi/LAN	

**Deye**

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