

Single Phase String Inverter

SUN- 3 K-G04-AU



1 MPP trackers, Max. efficiency up to 97.5%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)



Low start-up voltage of 80V

Deye

Stock Code: 605117.SH

Model		SUN-3K-G04-AU
Input Side		
Max. PV Input Power (kW)		4.5
Max. DC Input Voltage (V)		550
Start-up DC Input Voltage (V)		80
MPPT Operating Range (V)		70-500
Max. DC Input Current (A)		13
Max. Short Circuit Current (A)		19.5
Number of MPPT / Strings per MPPT		1/1
Output Side		
Rated Output Power (kW)		3
Max. Active Power (kW)		3
Nominal Output Voltage / Range (V)		L/N/PE 220V/187V-242V,230V/ 195.5V-253V (Optional)
Rated Grid Frequency (Hz)		50 / 60 (Optional)
Operating Phase		Single phase
Rated AC Grid Output Current (A)		13
Max. AC Output Current (A)		13
Output Power Factor		0.8 leading to 0.8 lagging
Total Harmonics Current Distortion (THDi)		<3%
DC Injection Current (mA)		<0.5%
Grid Frequency Range		45-55 or 55-65 (Optional)
Efficiency		
Max. Efficiency		97.5%
Euro Efficiency		97.3%
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)		280W×310H×184D (Excluding connectors and brackets)
Weight (kg)		4.8
Topology		Transformerless
Internal Consumption		<1W (Night)
Running Temperature		-25 to +65°C, >45°C derating
Ingress Protection		IP65
Noise Emission (Typical)		≤35 dB
Cooling Concept		Natural cooling
Max. Operating Altitude Without Derating		2000m
Warranty		5 Years
Grid Connection Standard		AS/NZS 4777.2
Operating Surroundings Humidity		0-100%
Safety EMC / Standard		IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2
Features		
DC Connection		VP-D4B
AC Connection		IP65 rated plug
Display		LCD1602
Interface		RS485/RS232/Wifi/LAN