

Single Phase String Inverter

SUN- 3.6/5/6K-G04-AU



2 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-3.6K-G04-AU	SUN-5K-G04-AU	SUN-6K-G04-AU
Input Side			
Max. PV Input Power (kW)	5.4	7.5	9
Max. PV Input Voltage (V)	550		
Start-up PV Input Voltage (V)	80		
MPPT Operating Range (V)	70-500		
Max. PV Input Current (A)	13+13		
Max. Short Circuit Current (A)	19.5+19.5		
Number of MPPT / Strings per MPPT	2/1		
Output Side			
Rated Output Power (kW)	3.6	5	6
Max. Active Power (kW)	3.6	5	6
Nominal Output Voltage / Range (V)	L/N/PE 230/400V 0.85Un-1.1Un		
Rated Grid Frequency (Hz)	50 / 60 (Optional)		
Operating Phase	Single phase		
Rated AC Grid Output Current (A)	15.7	21.7	26.1
Max. AC Output Current (A)	15.7	21.7	26.1
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	97.3%	97.5%	97.5%
Euro Efficiency	96.9%	97.0%	97.0%
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)	330W×323H×190D (Excluding connectors and brackets)		
Weight (kg)	8		
Topology	Transformerless		
Internal Consumption	<1W (Night)		
Running Temperature	-25 to +65		
Ingress Protection	IP65		
Noise Emission (Typical)	≤ 35 dB		
Cooling Concept	Natural cooling		
Max. Operating Altitude Without Derating	2000m		
Warranty	10 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		