

Three Phase String Inverter

SUN-15K-G05-AU



2 MPPT trackers, Max. efficiency up to 98.5%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)

Deye

Stock Code: 605117.SH

Model		SUN-15K-G05-AU
Input Side		
Max. PV Input Power (kW)		22.5
Max. PV Input Voltage (V)		1000
Start-up PV Input Voltage (V)		250
MPPT Operating Range (V)		200-850
Max. PV Input Current (A)		13+26
Max. Short Circuit Current (A)		19.5+39
Number of MPPT / Strings per MPPT		2/1+2
Output Side		
Rated Output Power (kW)		15
Max. Active Power (kW)		15
Nominal Output Voltage / Range (V)		3L/N/PE 400V/340V-440V
Rated Grid Frequency (Hz)		50 / 60 (Optional)
Operating Phase		Three phase
Rated AC Grid Output Current (A)		21.8
Max. AC Output Current (A)		21.8
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		98.5%
Euro Efficiency		90.0%
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)		332W×472H×203D (Excluding connectors and brackets)
Weight (kg)		15
Topology		Transformerless
Internal Consumption		<1W (Night)
Running Temperature		-25 to +65
Ingress Protection		IP65
Noise Emission (Typical)		≤40 dB
Cooling Concept		Smart cooling
Max. Operating Altitude Without Derating		4000m
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-D4C
AC Connection		IP65 rated plug
Display		LCD1602
Communication Interface		RS485/RS232
Monitor Mode		GPRS/WIFI/Bluetooth/4G/LAN(optional)