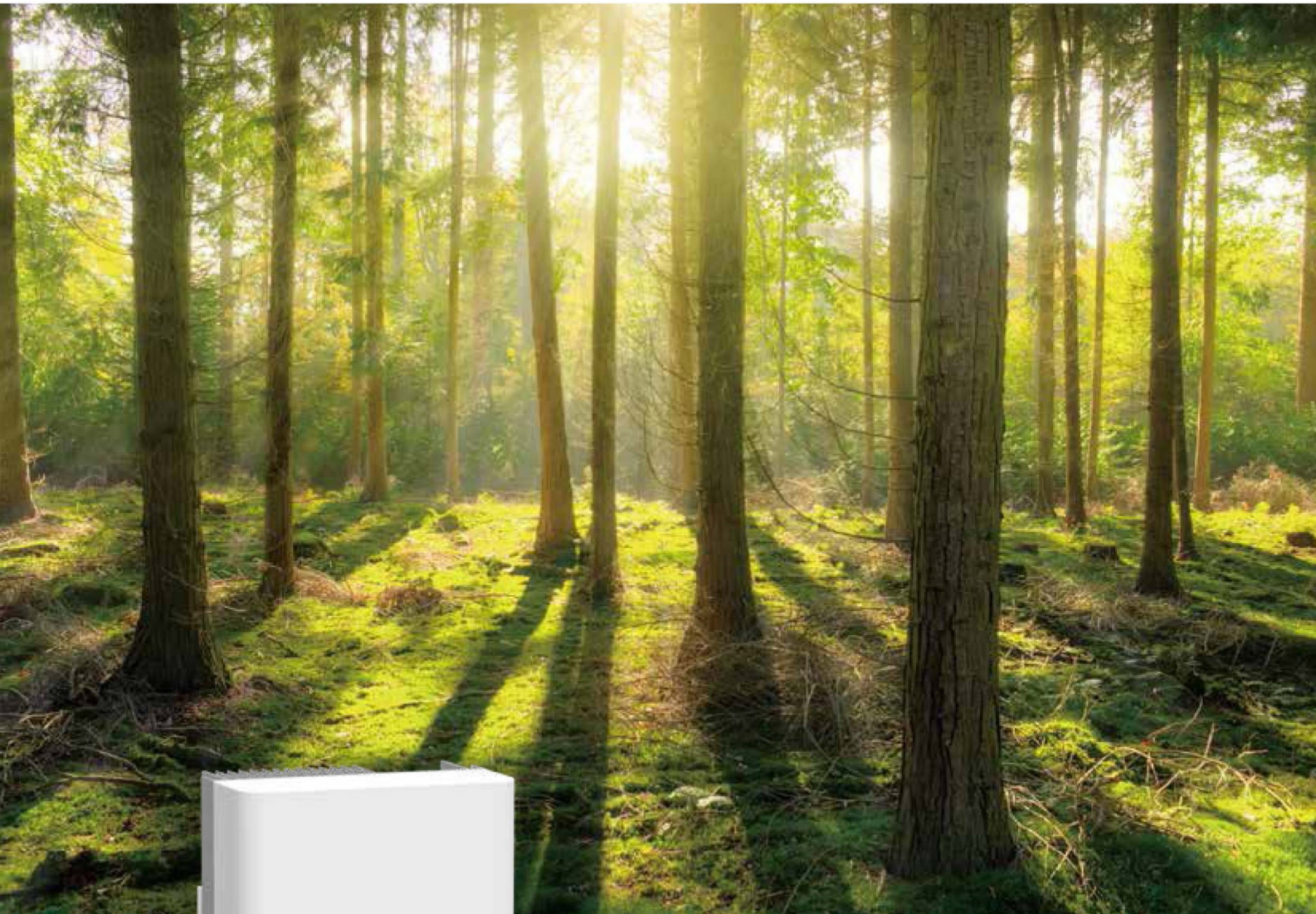







Three Phase String Inverter

SUN- 30 / 33 / 35 / 36 K-G04



-  2 MPP trackers, Max. efficiency up to 98.6%
-  Zero export application, VSG application
-  String intelligent monitoring (optional)
-  Wide output voltage range
-  Anti-PID function (Optional)

Technical Data

Model	SUN-30K-G04	SUN-33K-G04	SUN-35K-G04	SUN-36K-G04
Input Side				
Max. DC Input Power (kW)	39	42.9	45.5	46.8
Max. DC Input Voltage (V)			1000	
Start-up DC Input Voltage (V)			250	
MPPT Operating Range (V)			200~850	
Max. DC Input Current (A)			40+40	
Max. Short Circuit Current (A)			60+60	
No.of MPP Trackers			2	
No.of Strings per MPP Tracker			3	
Output Side				
Rated Output Power (kW)	30	33	35	36
Max. Active Power (kW)	33	36.3	38.5	39.6
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)	45.5/43.5	50/47.8	53/50.7	54.5/52.2
Max. AC Output Current (A)	50/47.9	55/52.6	58.3/55.8	60/57.4
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)	
Efficiency				
Max. Efficiency			98.6%	
Euro Efficiency			97.8%	
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)			362Wx577Hx215D	
Weight (kg)			25.5	
Topology			Transformerless	
Internal Consumption			<1W (Night)	
Running Temperature			-25~65°C, >45°C derating	
Ingress Protection			IP65	
Noise Emission (Typical)			<50 dB	
Cooling Concept			Smart cooling	
Max. Operating Altitude Without Derating			2000m	
Warranty			5 years	
Grid Connection Standard			CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11	
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			MC-4 mateable	
AC Connection			IP65 rated plug	
Display			LCD1602	
Interface			RS485/RS232/Wifi/LAN	