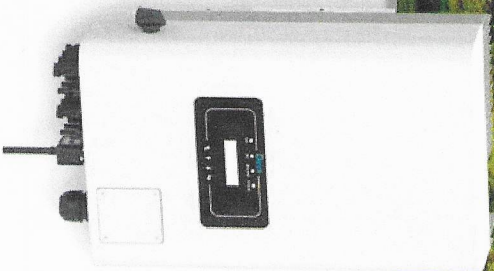
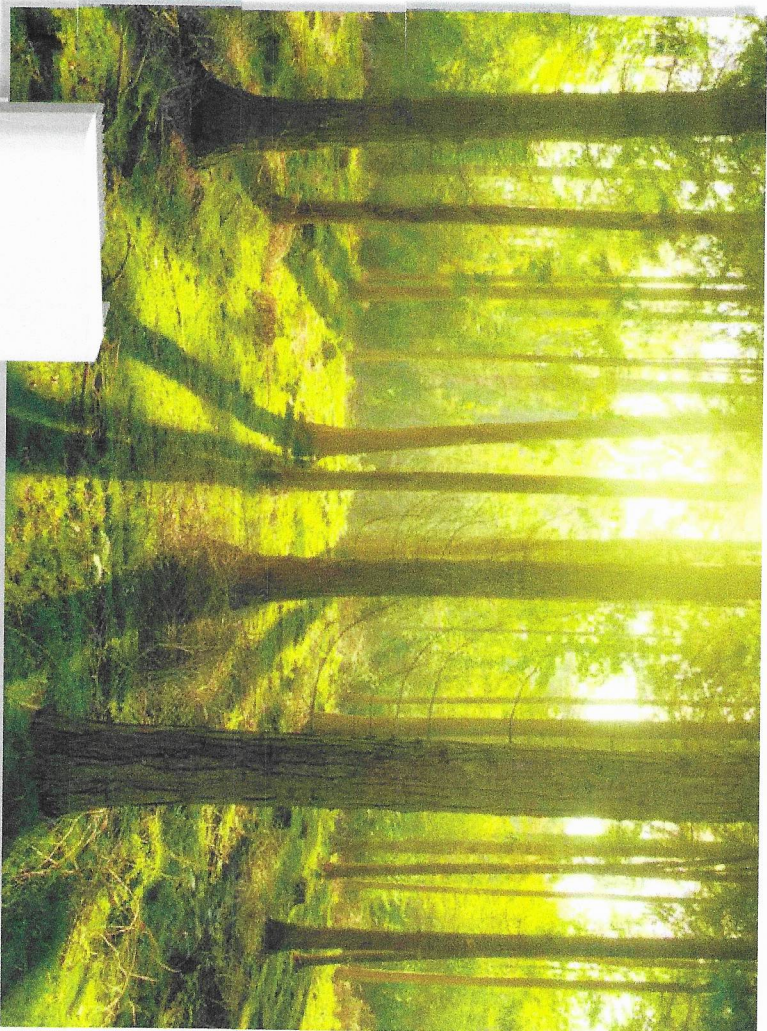






Three Phase String Inverter

SUN-30/33/35/36K-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	
MPP 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+3	
Output Side				
Rated Output Power (kW)	30	33	35	36
Max. Active Power (kW)	33	35.3	38.5	39.6
Nominal Output Voltage / Range (V)			311V/PE 220/350V, 230/400V	
Rated Grid Frequency (Hz)			50 / 60 (Optional)	
Operating Phase			Three Phase	
Rated AC Grid Output Current (A)	45.5/43.5	50.4/4.8	53.5/0.7	54.5/52.2
Max. AC Output Current (A)	50.4/7.9	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%		
MPP1 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		Yes		
General Data				
Cabinet Size (WxHxD mm)		362x577x215 (Excluding Connectors and Brackets)		
Weight (kg)		23		
Topology		Transformerless		
Internal Consumption		<1W (N@h)		
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		VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR15149, 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		
Features				
DC Connection		MC-4 Mateable		
AC Connection		IP65 Rated Plug		
Display		LCD1602		
Interface		RS485/RS232/WiFi/LAN		