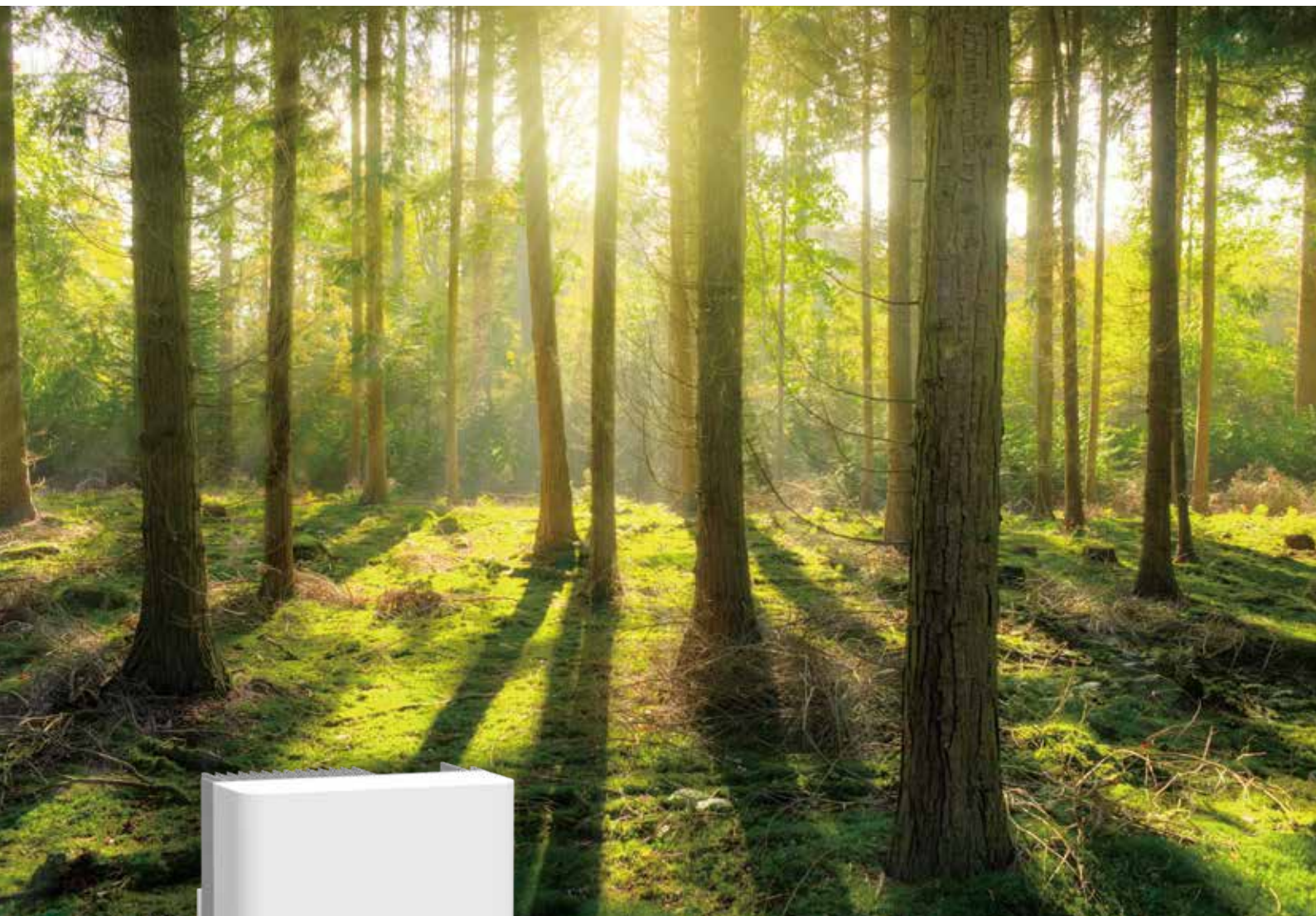


Three Phase String Inverter

SUN-30K-G04



2 MPPT trackers, Max. efficiency up to 98.6%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)

Deye

Stock Code: 605117.SH

Technical Data

Model	SUN-30K-G04	SUN-33K-G04	SUN-35K-G04	SUN-36K-G04
PV String Input Data				
Max. PV Input Power (kW)	39	42.9	45.5	46.8
Max. PV Input Voltage (V)			1000	
Start-up Voltage (V)			250	
MPPT Voltage Range (V)			200-850	
Rated PV Input Voltage (V)			600	
Max. Operating PV Input Current (A)			40+40	
Max. Input Short Circuit Current (A)			60+60	
No. of MPP Trackers/ No. of Strings per MPP Tracker			2/3+3	
AC Output Side				
Rated AC Output Active Power (kW)	30	33	35	36
Max. AC Output Apparent Power (kVA)	33	36.3	38.5	39.6
Rated AC 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
Rated Output Voltage/Range (V)		220/380V, 230/400V 0.85Un-1.1Un		
Grid Connection Form		3L/N/PE		
Rated Output Grid Frequency/Range(Hz)		50/45-55, 60/55-65		
Power Factor Adjustment Range		0.8 leading to 0.8 lagging		
Total Current Harmonic Distortion THDi		<3%		
DC Injection Current		<0.5In		
Efficiency				
Max. Efficiency		98.6%		
Euro Efficiency		98.1%		
MPPT Efficiency		>99%		
Equipment Protection				
DC Polarity Reverse Connection Protection		Yes		
AC Output Overcurrent Protection		Yes		
AC Output Overvoltage Protection		Yes		
AC Output Short Circuit Protection		Yes		
Thermal Protection		Yes		
DC Terminal Insulation Impedance Monitoring		Yes		
DC Component Monitoring		Yes		
Ground Fault Current Monitoring		Yes		
Power Network Monitoring		Yes		
Island Protection Monitoring		Yes		
Earth Fault Detection		Yes		
Overvoltage Load Drop Protection		Yes		
Residual Current (RCD) Detection		Yes		
Surge Protection Level		TYPE II(DC), TYPE II(AC)		
Interface				
Communication Interface		RS485/RS232 /WiFi/LAN		
General Data				
Operating Temperature Range (°C)		-25 to +60°C, >45°C Derating		
Permissible Ambient Humidity		0-100%		
Permissible Altitude (m)		4000m		
Noise (dB)		≤50		
Ingress Protection(IP) Rating		IP 65		
Inverter Topology		Non-Isolated		
Over Voltage Category		OVC II(DC), OVC III(AC)		
Cabinet Size (WxHxD mm)		362×577×215 (Excluding Connectors and Brackets)		
Weight (kg)		23		
Warranty		5 Years		
Type of Cooling		Intelligent Air Cooling		
Grid Regulation		IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105		
Safety EMC/Standard		IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2		