

# Three Phase String Inverter

SUN-15/17K-G05



2 MPP 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**

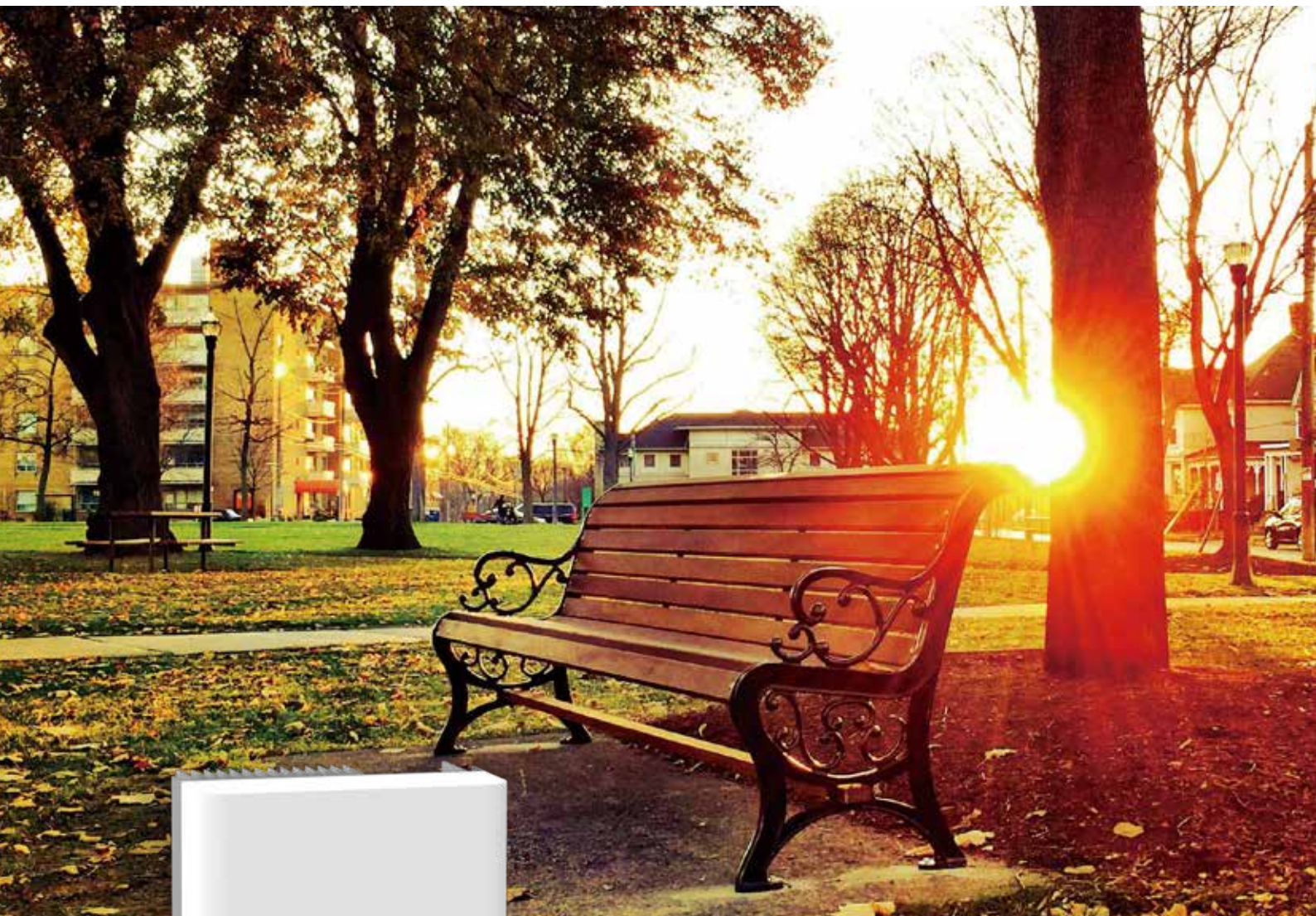
Stock Code: 605117.SH

Model	SUN-15K-G05	SUN-17K-G05
<b>Input Side</b>		
Max. DC Input Power (kW)	19.5	22.1
Max. DC Input Voltage (V)	1000	
Start-up DC Input Voltage (V)	250	
MPPT Operating Range (V)	200-850	
Max. DC Input Current (A)	13+26	
Max. Short Circuit Current (A)	19.5+39	
No.of MPP Trackers	2	
No.of Strings per MPP Tracker	1+2	
<b>Output Side</b>		
Rated Output Power (kW)	15	17
Max. Active Power (kW)	16.5	18.7
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)	22.7/21.7	25.8/24.6
Max. AC Output Current (A)	25/23.9	28.3/27.1
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)	
<b>Efficiency</b>		
Max. Efficiency	98.5%	
Euro Efficiency	97.5%	
MPPT Efficiency	>99%	
<b>Protection</b>		
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	
<b>General Data</b>		
Cabinet Size (WxHxD mm)	333×472×203 (Excluding Connectors and Brackets)	
Weight (kg)	15	
Topology	Transformerless	
Internal Consumption	<1W (Night)	
Running Temperature	-25-65°C, >45°C Derating	
Ingress Protection	IP65	
Noise Emission (Typical)	≤40 dB	
Cooling Concept	Smart Cooling	
Permissible Altitude (m)	4000	
Warranty	5 Years	
Grid Connection Standard	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, G98, G99, VDE 4105	
Operating Surroundings Humidity	0-100%	
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2	
<b>Features</b>		
Display	LCD1602	
Interface	RS485/RS232/Wifi/LAN	



# Three Phase String Inverter

SUN-18/20/25K-G04 SUN-18/20/25K-G05



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

Model	SUN-18K-G04	SUN-20K-G04	SUN-25K-G04	SUN-18K-G05	SUN-20K-G05	SUN-25K-G05
<b>Input Side</b>						
Max. DC Input Power (kW)	23.4	26	32.5	23.4	26	32.5
Max. DC Input Voltage (V)	1000					
Start-up DC Input Voltage (V)	250					
MPPT Operating Range (V)	200-850					
Max. DC Input Current (A)	32+32			26+26		
Max. Short Circuit Current (A)	48+48			39+39		
No. of MPP Trackers	2					
No. of Strings per MPP Tracker	3+3			2+2		
<b>Output Side</b>						
Rated Output Power (kW)	18	20	25	18	20	25
Max. Active Power (kW)	19.8	22	27.5	19.8	22	27.5
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)	27.3/26.1	30.3/29	37.9/36.2	27.3/26.1	30.3/29	37.9/36.2
Max. AC Output Current (A)	30/28.7	33.3/31.9	41.7/39.8	30/28.7	33.3/31.9	41.7/39.8
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)					
<b>Efficiency</b>						
Max. Efficiency	98.6%					
Euro Efficiency	97.8%					
MPPT Efficiency	>99%					
<b>Protection</b>						
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					
<b>General Data</b>						
Cabinet Size (WxHxD mm)	362×577×215 (Excluding Connectors and Brackets)			362×527×220 (Excluding Connectors and Brackets)		
Weight (kg)	23			20		
Topology	Transformerless					
Internal Consumption	<1W (Night)					
Running Temperature	-25-65°C, >45°C Derating					
Ingress Protection	IP65					
Noise Emission (Typical)	≤40 dB					
Cooling Concept	Smart Cooling					
Permissible Altitude (m)	2000			4000		
Warranty	5 Years					
Grid Connection Standard	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105					
Operating Surroundings Humidity	0-100%					
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2					
<b>Features</b>						
Display	LCD1602					
Interface	RS485/RS232/Wifi/LAN					