

Three Phase String Inverter(LV)

SUN-6/8K-G06-EU-BM2-LV-P1



127V/220V, 133V/230V and
50/60Hz, Three phase system



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-6K-G06-EU-BM2-LV-P1		SUN-8K-G06-EU-BM2-LV-P1	
PV String Input Data				
Max. PV Input Power (kW)	9		12	
Max. PV Input Voltage (V)			800	
Start-up Voltage (V)			250	
MPPT Voltage Range (V)			200-700	
Rated PV Input Voltage (V)			500	
Max. Operating PV Input Current (A)	20+20		20+26	
Max. Input Short Circuit Current (A)	30+30		30+39	
No. of MPP Trackers/ No. of Strings per MPP Tracker	2/1+1		2/1+2	
AC Output Side				
Rated AC Output Active Power (kW)	6		8	
Max. AC Output Apparent Power (kVA)	6		8	
Rated AC Output Current (A)	15.8/15.1		21/20.1	
Max. AC Output Current (A)	15.8/15.1		21/20.1	
Rated Output Voltage/Range (V)	127V/220V, 133V/230V 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	<0.5%In			
Efficiency				
Max. Efficiency			98.3%	
Euro Efficiency	97.8%		98.0%	
MPPT Efficiency			>99%	
Equipment Protection				
DC Reverse Polarity Protection			Yes	
AC Output Overcurrent Protection			Yes	
AC Output Overvoltage Protection			Yes	
AC Output Short Circuit Protection			Yes	
Thermal Protection			Yes	
Insulation Impedance Detection			Yes	
DC Component Monitoring			Yes	
Arc Fault Circuit Interrupter (AFCI)			Optional	
Anti-islanding Protection			Yes	
Residual Current Detection			Yes	
Surge Protection Level			TYPE II(DC), TYPE II(AC)	
DC Switch			Yes	
Interface				
Communication Interface			RS485/RS232 /WiFi/LAN	
LCD/LED Display			LCD1602	
General Data				
Operating Temperature Range (°C)			-25 to -60°C	
Permissible Ambient Humidity			0-100%	
Permissible Altitude (m)			4000m	
Noise (dB)			<45	
Ingress Protection(IP) Rating			IP 65	
Inverter Topology			Non-Isolated	
Over Voltage Category			OVC II(DC), OVC III(AC)	
Cabinet Size (WxHxD mm)	283×525×178 (Excluding Connectors and Brackets)		283×525×188 (Excluding Connectors and Brackets)	
Weight (kg)	11.5		12	
Warranty			5 Years	
Type of Cooling			Natural Cooling	
Grid Regulation			NBR 16149, NBR 16150, EN 50549, RD 140	
Safety EMC/Standard			IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2	