

Three Phase String Inverter

SUN-18/20K-G06P3-EU-BM2-P1



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-18K-G06P3-EU-BM2-P1		SUN-20K-G06P3-EU-BM2-P1	
PV String Input Data				
Max. PV Input Power (kW)	27		30	
Max. PV Input Voltage (V)			1100	
Start-up Voltage (V)			140	
MPPT Voltage Range (V)			120-1000	
Rated PV Input Voltage (V)			600	
Max. Operating PV Input Current (A)			32+32	
Max. Input Short Circuit Current (A)			48+48	
No. of MPP Trackers/ No. of Strings MPP Tracker			2/2+2	
AC Output Side				
Rated AC Output Active Power (kW)	18		20	
Max. AC Output Apparent Power (kVA)	19.8		22	
Rated AC Output Current (A)	27.3/26.1		30.4/29	
Max. AC Output Current (A)	30/28.7		33.4/31.9	
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	98.5%			
Euro Efficiency	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				
LCD/LED Display	LCD 1602			
Monitor Mode	RS485/RS232/WiFi/LAN			
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)	283×525×188(Excluding Connectors and Brackets)			
Weight (kg)	12			
Warranty	Standard 5 years, extended warranty			
Type of Cooling	natural 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 62109-1,IEC/EN 62109-2, IEC/EN 61000-6-1,IEC/EN 61000-6-2,IEC/EN 61000-6-3,IEC/EN 61000-6-4			