







Three Phase String Inverter

SUN-120 / 125 / 130 / 135 / 136K-G01P3-EU-AM8



-  8 MPP trackers,
Max. efficiency up to 98.8%
-  Zero export application, VSG application
-  String intelligent monitoring
-  Wide output voltage range
-  Anti-PID function
-  Type II DC/AC SPD

Technical Data

Model	SUN-120K-G01P3 -EU-AM8	SUN-125K-G01P3 -EU-AM8	SUN-130K-G01P3 -EU-AM8	SUN-135K-G01P3 -EU-AM8	SUN-136K-G01P3 -EU-AM8
Input Side					
Max. DC Input Power (kW)	180	187.5	195	202.5	204
Max. DC Input Voltage (V)	1100				
Start-up DC Input Voltage (V)	250				
MPPT Operating Range (V)	200-1000				
Max. DC Input Current (A)	40+40+40+40+40+40+40+40				
Max. Short Circuit Current (A)	60+60+60+60+60+60+60+60				
No. of MPP Trackers	8				
No. of Strings per MPP Tracker	4+4+4+4+4+4+4+4				
Output Side					
Rated Output Power (kW)	120	125	130	135	136
Max. Active Power (kW)	132	135	135	135	136
Rated Output Voltage/Range (V)	3L/N/PE 220/380V, 230/400V 0.85Un-1.1Un (this may vary with grid standards)				
Rated Grid Frequency (Hz)	50 / 60 (Optional)				
Operating Phase	Three Phase				
Rated AC Grid Output Current (A)	181.9/174	189.4/181.2	197/188.5	204.6/195.7	206.1/197.2
Max. AC Output Current (A)	200/191.4	204.6/195.7	204.6/195.7	204.6/195.7	206.1/197.2
Output Power Factor	>0.99				
Total Harmonics Current Distortion (THDi)	<3%				
DC Injection Current (mA)	<0.5%				
Grid Frequency Range	45-55 or 55-65 (Optional)				
Efficiency					
Max. Efficiency	98.8%				
Euro Efficiency	98.3%				
MPPT 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	DC Type II / AC Type II				
General Data					
Size (mm)	1006Wx516Hx325.5D (Excluding Connectors and Brackets)				
Weight (kg)	103				
Topology	Transformerless				
Internal Consumption	<1W (Night)				
Running Temperature	-25 to +60°C, >45°C Derating				
Ingress Protection	IP65				
Noise Emission (Typical)	≤65 dB				
Cooling Concept	Smart Cooling				
Permissible Altitude (m)	4000				
Designed Lifetime	8 Years				
Grid Connection Standard	IEC 61727, IEC 62116, CEI 0-21, CEI 0-16, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25.G99, VDE-AR-N 4105, VDE-AR-N 4110				
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					
Display	LCD 240 × 160				
Interface	RS485/RS232/Wifi/LAN				