

Three Phase String Inverter

SUN-136K-G01P3-EU-AM8



8 MPP trackers, Max. efficiency up to 98.8%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)



Type II DC/AC SPD

Deye

Stock Code: 605117.SH

Model		SUN-136K-G01P3-EU-AM8
PV String Input Data		
Max. PV Input Power (kW)		204
Max. PV Input Voltage (V)		1100
Start-up Voltage (V)		250
MPPT Voltage Range (V)		200-1000
Rated PV Input Voltage (V)		600
Max. Operating PV Input Current (A)		40+40+40+40+40+40+40+40
Max. Input Short Circuit Current (A)		60+60+60+60+60+60+60+60
No. of MPP Trackers/ No. of Strings MPP Tracker		8/4+4+4+4+4+4+4+4
AC Output Side		
Rated AC Output Active Power (kW)		136
Max. AC Output Apparent Power (kVA)		136
Rated AC Output Current (A)		206.1/197.2
Max. AC Output Current (A)		206.1/197.2
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		<0.5%In
Efficiency		
Max. Efficiency		98.8%
Euro Efficiency		98.2%
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
Monitor Mode		GPRS/WIFI/Bluetooth/4G/LAN(optional)
General Data		
Operating Temperature Range (°C)		-25 to +60°C, >45°C Derating
Permissible Ambient Humidity		0-100%
Permissible Altitude (m)		4000m
Noise (dB)		≤65
Ingress Protection(IP) Rating		IP 65
Inverter Topology		Non-Isolated
Over Voltage Category		OVC II(DC), OVC III(AC)
Cabinet Size (WxHxD mm)		1006×516×325.5 (Excluding Connectors and Brackets)
Weight (kg)		103
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