

ODA-3P10K1G

String inverter



10KW

- The highest efficiency is 98.3%
- 2 MPPT
- RS232/RS485 Interface
- IP65 Ingress Protection
- High Surge Endurance
- High Power Factor
- Zero Export Function

TECHNICAL DATA

Energy source		ODA-3P10K1G
Input Side		
Max.DC Input Power(kw)		13
Max.DC Input Voltage(V)		1000
Start-up DC Input Voltage(V)		140
MPPT Operating Range(V)		120-850
Max.DC Input Current(A)		13+13
Max. short circuit current (a)		19.5+19.5
Number of MPPT/String per MPPT		2/1
OutPut Side		
Rated output power (kw)		6500
Maximum active power (kw)		370 (125-500)
Rated AC Grid Voltage(V)		125
AC Grid Voltage Range(V)		150-425
Operating Phase		300-425
Rated AC Grid Output Current(A)		13+13
Max.AC Output Current(A)		17+17
Output Power Factor		2/1+1
Grid Current THD		370 (125-500)
DC Injection Current(mA)		125
Grid Frequency Range		150-425
Efficiency		
Max.Efficiency		98.3%
Euro Efficiency		97.5%
MPPT Efficiency		>99%
Protection		
Anti-islanding Protection		Integrated
DC Reverse-Polarity Protection		Integrated
DC Surge Protection		Integrated
AC Surge Protection		Integrated
AC Short Circuit Protection		Integrated
AC Output Overcurrent Protection		Integrated
Output Overvoltage Protection		Integrated
Temperature protection		Integrated
Integrated DC switch		Integrated
Remote software upload		Integrated
Change operation parameters remotely		Integrated
Surge protection		DC II/AC II
General parameters		
Specification (mm)		330Wx457Hx185D
weight(kg)		10
topological structure		No transformer
Internal loss		<1W (Every night)
Operating temperature		-25~65°C, >45°C Derating
Degree of protection		IP65
Noise emissions (typical)		<25 dB
Cooling mode		Natural cooling
Maximum UN derated working height		2000m
Design life		>20 years
Grid connection standard		CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11
Humidity of working environment		0-100%
Security emc/ standards		IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2
characteristic		
DC connection interface		MC-4 mateable
AC connection interface		IP65 rated plug
Display		LCD1602
Interface		RS485/RS232/Wifi/LAN