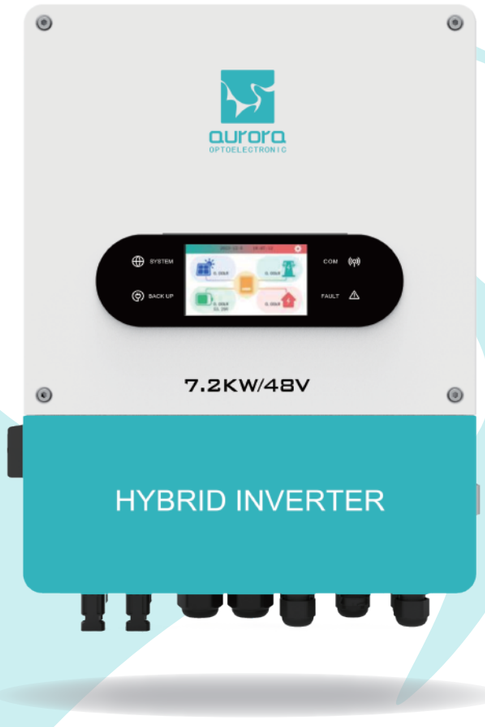
LV Single-phase Inverter
YF-LV-P1E-7248

aurora
OPTOELECTRONIC

IP66
WATERPROOF



Features

- Up to 135A Charging/ Discharging Current
- 200% PV Input;Maximizing 12 kw Solar Energy Utilization
- IP66 Protect
- Supports Energy Storage from Diesel Generators
- MAX. Support 10 Units In Parallel
- Color Touch Screen

Datasheet

Model	YF-LV-P1E-7248
PV Input	
Max. Input Voltage	500V
Isc PV (absolute Max.)	25A/25A
Max. Input Current	20A/20A
Number of MPPT Channels	2/1+1
MPPT Range	90~450VDC
Max. Input PV Power	13200W
Max. PV Input Voltage	500V
Start-up Voltage	125V
Battery(Charge/Discharge)	
Battery Type	Lithium/Lead-acid
Battery Voltage Range	40V-60V
Max. Charge/Discharge Current	140A
Charging Strategy For Li-ion Battery	Self-adaption to BMS
Number Of Battery Input	1
AC Input/Output Data	
Rated AC Input/Output Active Power	7200W
Max. AC Input/Output Apparent Power	7200W
Peak Power(Off-grid)	2 times of rated power, 10s
Rated AC Input/Output Current	33A
Max. AC Input/Output Current	33A
Max. Continuous AC Passthrough (grid to load)	40A
Rated Input/Output Voltage Range	220/230V 0.85Un-1.1Un
Grid Connection Form	L+N+PE
Rated Input/Output Grid Frequency Range	50Hz/45Hz-55Hz 60Hz/55Hz-65Hz
Output Power Factor(Off grid)	1~(0.8 leading to 0.8 lagging)
Outout Current Harmonic Distorition	<3%(Of nominal power)
DC Injection Current	<0.5% In
Others	
Temperature	-40°C~+60°C, >45°C Derating
Inverter Isolation	DC Reverse Polarity Protection, AC Output OvercurrentProtection, Thermal Protection, AC Output Overvoltage Protection,
	AC Output Short Circuit Protection, DC ComponentMonitoring, Arc Fault Circuit Interrupter (optional),Anti-islanding
	Protection, DC Switch, Insulation Impedance Detection,Residual Current Detection
Overvoltage Category	OVC Ⅲ(AC Main), OVC Ⅱ(PV)
Dimensions, D*W*H(mm)	338*480*205mm
Weight	13kg
Altitude	2000m

***Test conditions: 0.5C charge/discharge, @25°C, 80% DOD; product specifications are subject to change without prior notice.**

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