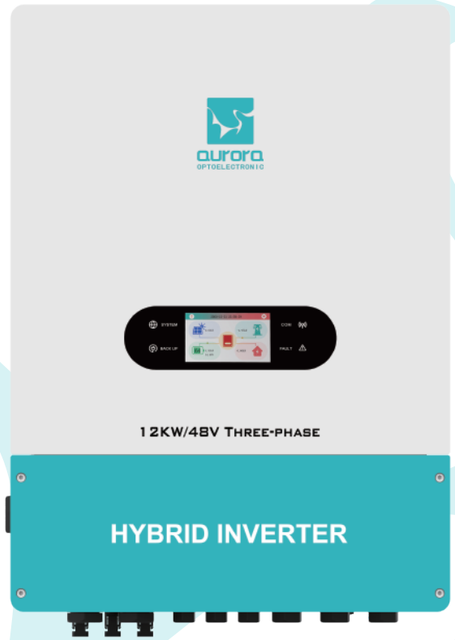
LV Three-phase Inverter

YF-LV-P3E-12048

aurora
OPTOELECTRONIC

IP66
WATERPROOF



Ⓡ INVERTER MODE

Ⓖ PV MODE

Ⓑ UTILITY MODE

Features

- Up-to-36A maximum input current
- MPPT — Built-in 2 MPPT trackers
- Adaptable to 18A modules
- Built-in communication port for BMS (CAN/RS485)
- Parallel operation up to 8 units
- Off-grid peak power of 200% overload within 15s

Datasheet

Model	YF-LV-P3E-12048
Battery Input Data	
Battery Type	Lithium or lead-acid battery
Rated Battery Voltage	48V
Maximum Charging Voltage	≤60V(Configurable)
Maximum Charge/discharge Current	250A
PV Input Data	
Maximum DC Input Power	24000W
Maximum DC Input Voltage	1000V
MPPT Operating Voltage Range	200V~800V
Starting Voltage	150V
Maximum Input Current	36/18A
MPPT Number	2
AC Output Parameters(ON-GRID)	
Maximum Output Apparent Power	13200W
Rated Output Voltage	380/400V
Rated Output Frequency	50 Hz/60 Hz
Max. Output Current	20A
Output Power Factor	1(-0.8 leading~+0.8lagging)
AC Output Parameters(OFF-GRID)	
Rated Output Apparent Power	12000W
Maximum Output Apparent Power	>200%, 15sec
Rated Output Voltage	380/400V
Rated Output Frequency	50 Hz/60 Hz
Max. Output Current	20A
Efficiency	
MPPT. Efficiency	98%
Max. Efficiency	94.5%
Europe Efficiency	97.5%
Protection	
PV Input Reverse Polarity Protection	Yes
PV Insulation Resistance Detection	Yes
Residual Current Detection	Yes
Output Over Current Protection	Yes
Output Short Circuit Protection	Yes
Output Over Voltage Protection	Yes
Basic Data	
Parallel Interface	MAX. 8 units in parallel
Operation Temperature	-25°C~60°C(Frequency-decreasing above 45°C)
Storage Temperature	-30°C~65°C
Relative Humidity	0~95%
Working Altitude	≤4000m(Frequency-decreasing above 2000m)
Cooling	Intelligent Forced Air Cooling
Noise	<55dB
Weight	38kg
Dimensions (W*H*D)	475*683*256mm
Protection Class	IP66
Topology	HF Isolation(Battery Side)
Standard	
Safety Standard/EMC Standard	NBIT32004-2018, IEC62109, IEC61000, IS16169 &IS16221(BIS)
Grid-connected Standard	IEC61727, EN50549-1, VDE-4105, NRS-097-2-1, OVE-Richtlinie R25, UNE217001/2, Ordinace No.140
Other Standard	IEC61683, IEC62116, EN50530, IEC60068

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

www.yufai-aurora.com / www.aurorabattery.com