LV Three-phase Inverter

YF-LV-P3E 20048

aurora
OPTOELECTRONIC

IP66
WATERPROOF



Features

- Extreme Climate Adaptability
- High Battery Compatibility
- Wide Grid Adaptability
- High Surge & Unbalanced Output
- Flexible System Expansion
- SiC+Full Aluminum+IP66

Datasheet

Model	YF-LV-P3E-20048
Inverter Input/Output(Grid)	
Rated Power	20/20kw
Rated Voltage	380/400VAC, 3W+N+PE
Rated Frequency	50/60Hz
Power Factor Range	0.8 leading ~ 0.8 lagging
Switch Time	<20ms
Currernt(Maximum/Continuous)	58/29VAC
Max Output Overcurrent Protection	400V AC/100A AC
Battery	
Battery Type	Lithium or lead-acid battery
Battery Voltage Range	40~60VDC
Rated Battery Voltage	48V
Max Charge Current	390A
Max Discharge Current	390A
PV Input	
No. of MPPT Tracker/Strings	2/2+2
Max PV Array Power	40kW
Max DC Voltage	1000VDC
MPPT Voltage Range	150~950VDC
Start-up Voltage	180VDC
Max Input Current	4*20ADC
Isc PV(Absolute Maximum)	4*30ADC
AC Output(EPS)	
EPS Rated Output Voltage	380/400VAC, 3W+N+PE
EPS Rated Output Frequency	50/60Hz
EPS Rated Output Active Power	20kW
EPS Rated Output Apparent Power	20kVA
EPS Rated Output Current	29A AC
Overload Capacity	100%600s/120%300s/150%60s/200%10s
Efficiency	
MPPT Efficiency	99.90%
Euro-efficiency	97.20%
Max Efficiency	98.00%
Protection&Feature	
Insulation Monitoring	Yes
Residual Current Monitoring	Yes
Parallel Function	Yes
Protection Degree	IP66
Certifications	IEC62109-1/2,IEC62477-1,IEC61000-6-1, IEC61000-6-3,EN 50549-1&-10, NRS 097-2-1,IEC61727,IEC 61683,IEC62116
Other Protection	Output over voltage, Output over current, Short circuit, Surge, Temperature, Anti-islanding
General Parameter	
Storage Temperature	-25°C~60°C
Operating Temperature	-25°C~ +60°C (Linely derating to 60% when exceed +45°C ~ +60°C)
Humidity	0-95% (Non-condensing)
Altitude	4000(>2000 Derating)
Noise	<75dB
Warranty	5 Years
Machine Dimension(W*H*D)	448*660*265mm
Machine Weight/N.W.	48kg
Display&Communitation	
Display	LCD+APP

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

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