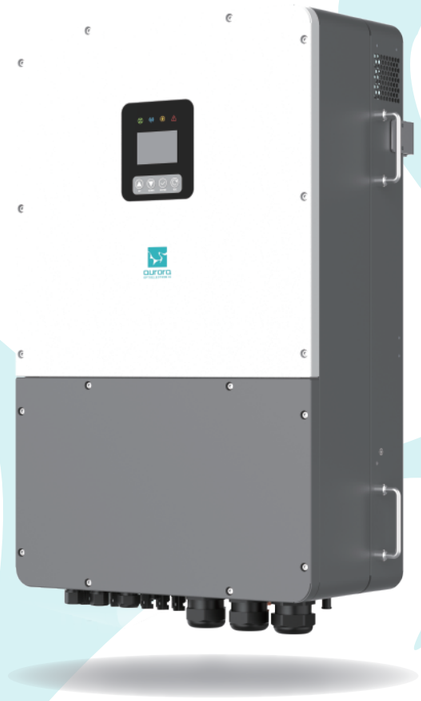
HV Three-phase Inverter

YF-TP-HV3P Series

IP66
WATERPROOF



- INVERTER MODE
- PV MODE
- UTILITY MODE

Features

- Superior Performance & Efficiency
- Flexible Expansion & Compatibility
- Intelligent Energy Management
- Dual BatteryInputs& High Current
- High Safety & Reliability
- System Intelligence & Upgradability

Datasheet

Model	YF-TP-HV3P-50K
Inverter Input/Output(Grid)	
Rated Power	50
Rated Voltage	380/400VAC., 3W+N+PE
Rated Frequency	50/60Hz
Power Factor Range	0.8 leading ~ 0.8lagging
Max.Continuous Current(Input/Output)	152A/76A
Max.Output Overcurrent Protection	114A/108.3A
Battery	
Battery Type	Lithium-ion/Lead-acid
Battery Voltage Range	135V~850V
Rated Battery Voltage	250V
Max. Charge Current	2*100A
Max. Discharge Current	2*100A
Reverse Connect Protection	Yes
PV Input	
No.of MPPT Tracker/Strings	4/2+2+2+2
Max.PV Input Power	100kW
Max.DC Voltage	1000V
MPPT Voltage Range	150V~850V
Start-up Voltage	200V
Max.Input Current/sring	8*20A
Isc PV (Absolute Maximum)/Sring	8*30A
AC Output(EPS)/Generator	
EPS Rated Output Voltage	380/400VAC., 3W+N+PE
EPS Rated Output Frequency	50/60Hz
EPS Rated Output Active Power	50kW
EPS Rated Output Apparent Power	50kVA
EPS Rated Output Current	76A/72.2A
Overload Capacity (Off Grid)	110% 30s/120% 10s/150% 0.2s
Efficiency	
MPPT Efficiency	99.90%
Euro-efficiency	97.50%
Max. Efficiency	98.50%
Protection & Feature	
Insulation Monitoring	Yes
Residual Current Monitoring	Yes
Parallel Function	Yes, Up to 6 Pcs
Protection Degree	IP66
Certifications	ENIEC 62477-1, ENIEC-62109-1/2, ENIEC 61000-6-2,EN50549-1/10, VDE-AR-N 4105
Other Protection	Ground fault current monitoring, Earth fault detection, Residual current(RCD)Detection etc.
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%~100%(Non-condensing)
Max. Operating Altitude	4000m
Noise	<65dB
Machine Dimensions(W*H*D)	544*880*278mm
Machine Weight(Net Weight)	88kg
Display & Communication	
Display	App+LED/ LCD (-S version)
Interface	RS485/WiFi/CAN/DRM(Optional: Bluetooth/LAN/Meter)

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

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