ROM Energy

Highlights

- Pure Sinewave Three-Phase Output
- LCD Graphic Panel
- Industrial Sturdy Design
- Designed for Harsh Environments
- IGBT PWM Controlled
- Maintenance Bypass Option
- Transformer Based Technology
- Quiet Operation
- Simple Program Menu
- LC Filter
- Parallel Operation
- Automatic Start-Up After Power Cut
- DC Low / DC High Voltage Protection
- Overload / Over Temp Protection
- Remote Monitoring
- Optional Built-in Battery Charger
- Double or More Outputs
- 2 Years Warranty

Hyperion Three-Phase Output Industrial Inverter
Technical Specifications

GENERAL	
Phase	Three-Phase
Technology	Isolation Transformer Based Industrial Design
Control	High Frequency IGBT PWM Controlled
INPUT	
DC Voltage	12 / 24 / 48 / 72 / 110 / 220 / 400 Vdc (other voltages available)
Voltage Tolerance	±15%
Power Factor	≥ 0.8
THDi	≤5% at Full Load
Charger	Available with Request
Input Protection	Circuit Breaker, DC High/Low Voltage Protection
OUTPUT	
AC Voltage	380/400/415 Vac (or 208/480/600 Vac)
Output Accuracy	±1%
Frequency	50 Hz / 60 Hz
Current Adjustment	0 - 100% Digitally Adjustable
Voltage Adjustment	0 - 100% Digitally Adjustable
Non-linear Load	0 - 100%
Crest Factor	3:1
THDv	<3%
Waveform	Pure Sinewave
Switching Frequency	16 kHz
Bypass	Bypass Switch Optional
Overload Operation	100% - 110% load: 30 sec, >125% load: 3 sec
Output Protection	MCB, Overload, Over Temp, Short Circuit, AC High/Low Protection
Efficiency	>90% at Full Load
CONTROL PANEL	
Display	LCD Graphic Display
Displayed Parameters	Operation Timer, Alarms Adjust
Displayed Units	Input/Output Voltage, Frequency, DC Current Optional: Operation Time (S:M:H), Charge Current
Event Log	512 Events Recorded (Optional)
COMMUNICATION	
Standard	Dry Contact Card (up to 10 adjustable relays), RS485 MODBUS
Optional	SNMP, CANBUS, Profibus, IEC 61850, RS232, USB
Parallel Operation	Optional (up to 8 units)
SAFETY and STANDARDS	
Over Voltage	IEEE 587 4500 A
Interference	FCC Class A
Standards	IEC 62040-3, EN 50091-1, EN 50091-2, ISO 9001, ISO 14001, CE
ENVIRONMENT	
Operating Conditions	-10 C° / + 60 C°, 0 - 90% (non-condensing)
Storage Conditions	-20 C° / + 70 C°, 0 - 90% (non-condensing)
Noise Level	Less than 60 dB
Protection Level	IP42 Indoor Type, IP56 Outdoor Type
Cooling	Forced Air Cooling with Axial Fans

General Features

Hyperion Series Industrial Inverters are designed for supplying AC loads from a DC power source by converting the input DC energy to pure sine-wave AC output. Input is a DC power source like a battery, when there is no mains, the inverter will provide clean AC output to three-phase loads such as motors, marine equipment, industrial applications and building mains.

Hyperion inverters are available for all kinds of applications thanks to its wide input range. Output capacity is up to 2000 kVA in a single cabinet with silent performance and high efficiency. Parallel and redundant operation is available up to 8 units.

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