HY SERIES

HYUN ENERGY®
Smarter.Greener. Powering Sustainability

1 KVA - 3 KVA
ONLINE UPS

1:1
PHASE





Control Panel

Introduction

HY Series Online High Frequency UPS, which adopts advanced DSP digital control technology and a tower design, with good function and high reliability, provides a perfect solution for the fluctuating AC input voltage and frequency and is the safe and reliable backup power for load.

Application Area



Data Center



Industrial Machines



Self-Service System



Communication Server

Features

- True Online, Double Conversion, PWM Technology
- Fully Digitized Microprocessor Control, High Frequency, Pure Sine Wave Output
- IGBT Based - Inverter & Rectifier
- Large input operating range, eliminates unnecessary battery discharge
- Versatile LCD human-computer interface
- Near unity power factor, high AC-AC efficiency
- Advanced Battery Management
- Automatic Battery Charge in UPS Off Mode
- Static Bypass and Cold Start
- Optional isolation transformer
- EMI/RFI and Noise Filter
- Generator and Solar Compatible
- Auto-restart Function, ECO Mode
- Compact size, light weight, low shipping costs
- Long backup time option

MAKE IN INDIA
CE
CERTIFIED ISO 9001 GUARANTEE
RoHS

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Technical Parameters

Smart,Sustainable UPS Solution- Ideal for Eco-Conscious Office & Industries



Capacity : 1KVA / 800W
Model : HY1000B3 / HY1000L3

Single Phase input : Single Phase output

Input

Voltage: 220-240 vac
Frequency: 45-60 Hz +/-5%, Auto sensing for 50/60Hz
Input Phase: Single phase with ground

Output

Voltage : 220 vac(Default), 208Vac/220Vac/230Vac/240Vac can be set on panel
Frequency: ±0.05%, Battery mode
Power Factor : 0.8
Crest Factor : 3:1
Voltage Regulation: ±1%
Output Waveform : Pure Sinewave
Overload Capacity: 105%-150%, 30s turn bypass mode,>150% 300ms turn to bypass mode
Transfer Time : 0ms(utility to battery), 4ms Typical (Inverter to Bypass

Display

LCD+LED : Load/battery/input/output/operating mode
Protection Function: Over temperature, Fan fault, Low voltage indication, overload and so on
Communication : Standard:RS232 optional:USB,Dry contact,SNMP card , Relay card, Modbus
Standard: IEC/EN62040-1,62040-2, 62040-3, Complying to CE, BIS

Battery

Battery Type : 12V/7AH
Quantity(12v DC): 3nos
Typical Recharge Time : 6-8 Hours
Charging voltage : 41.1+/ -1%
Charging current : 1.0

Battery Type : External
Quantity(12v DC): 3nos
Typical Recharge Time : 6-8 Hours
Charging voltage : 41.1+/ -1%
Charging current : 6.0/12.0

Environment

Operating temperature: Operating :0-45 degree, Storage: -10 degree-55 degree
Relative humidity: 0-95% Non condersing
Altitude: <1500m. when>1500m,derating
Noise Level : Low audible noise level

Weight

Net weight : 8kg
Dimension (D×W×H)mm : 400×144×215

Net weight : 5kg

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Technical Parameters

Smart,Sustainable UPS Solution- Ideal for Eco-Conscious Office & Industries



Capacity : 2KVA / 1600W
Model : HY2000B8 / HY2000L6

Single Phase input : Single Phase output

Input

Voltage: 220-240 vac
Frequency: 45-60 Hz +/-5%, Auto sensing for 50/60Hz
Input Phase: Single phase with ground

Output

Voltage : 220 vac(Default), 208Vac/220Vac/230Vac/240Vac can be set on panel
Frequency: ±0.05%, Battery mode
Power Factor : 0.8
Crest Factor : 3:1
Voltage Regulation: ±1%
Output Waveform : Pure Sinewave
Overload Capacity: 105%-150%, 30s turn bypass mode,>150% 300ms turn to bypass mode
Transfer Time : 0ms(utility to battery), 4ms Typical (Inverter to Bypass

Display

LCD+LED : Load/battery/input/output/operating mode
Protection Function: Over temperature, Fan fault, Low voltage indication, overload and so on
Communication : Standard:RS232 optional:USB,Dry contact,SNMP card , Relay card, Modbus
Standard: IEC/EN62040-1,62040-2, 62040-3, Complying to CE, BIS

Battery

Battery Type : 12V/7AH	Battery Type : External
Quantity(12v DC): 8nos	Quantity(12v DC): 6nos
Typical Recharge Time : 6-8 Hours	Typical Recharge Time : 6-8 Hours
Charging voltage : 109.6+/ -1%	Charging voltage : 82.2+/ -1%
Charging current : 1.0	Charging current : 6.0/12.0

Environment

Operating temperature: Operating :0-45 degree, Storage: -10 degree-55 degree
Relative humidity: 0-95% Non condersing
Altitude: <1500m. when>1500m,derating
Noise Level : Low audible noise level

Weight

Net weight : 26kg	Net weight : 10kg
Dimension (D×W×H)mm : 400×144×215	

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Technical Parameters

Smart,Sustainable UPS Solution- Ideal for Eco-Conscious Office & Industries



Capacity : 3KVA / 2400W
Model : HY3000B8 / HY2000L6

Single Phase input : Single Phase output

Input

Voltage: 220-240 vac
Frequency: 45-60 Hz +/-5%, Auto sensing for 50/60Hz
Input Phase: Single phase with ground

Output

Voltage : 220 vac(Default), 208Vac/220Vac/230Vac/240Vac can be set on panel
Frequency: ±0.05%, Battery mode
Power Factor : 0.8
Crest Factor : 3:1
Voltage Regulation: ±1%
Output Waveform : Pure Sinewave
Overload Capacity: 105%-150%, 30s turn bypass mode,>150% 300ms turn to bypass mode
Transfer Time : 0ms(utility to battery), 4ms Typical (Inverter to Bypass

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LCD+LED : Load/battery/input/output/operating mode
Protection Function: Over temperature, Fan fault, Low voltage indication, overload and so on
Communication : Standard:RS232 optional:USB,Dry contact,SNMP card , Relay card, Modbus
Standard: IEC/EN62040-1,62040-2, 62040-3, Complying to CE, BIS

Battery

Battery Type : 12V/7AH	Battery Type : External
Quantity(12v DC): 8nos	Quantity(12v DC): 6nos
Typical Recharge Time : 6-8 Hours	Typical Recharge Time : 6-8 Hours
Charging voltage : 109.6+/ -1%	Charging voltage : 82.2+/ -1%
Charging current : 1.0	Charging current : 6.0/12.0

Environment

Operating temperature: Operating :0-45 degree, Storage: -10 degree-55 degree
Relative humidity: 0-95% Non condersing
Altitude: <1500m. when>1500m,derating
Noise Level : Low audible noise level

Weight

Net weight : 29kg	Net weight : 11kg
Dimension (D×W×H)mm : 400×144×215	