HY SERIES

HYUN ENERGY®
Smarter.Greener. Powering Sustainability

6KVA - 10KVA **1:1** PHASE

11KVA - 20KVA **3:1** PHASE

ONLINE UPS





Control Panel

Introduction

HY series Online high frequency intelligent UPS, adopt double transform design and DSP digital control technology, with integrated input power factor correction, which can ensure a better output electrical performance and meet the requirements of equipment. LCD+LED visible interface and flexible operation also enhance customer satisfaction.

Application Area



Data Center



Industrial Machines



Self-Service System



Communication Server



Education System

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
- Parallel upto 4 unit
- Optional isolation transformer
- EMI/RFI and Noise Filter
- Generator and Solar Compatible
- Auto-restart Function, ECO Mode
- Compact size, light weight, low shipping costs

MAKE IN INDIA CE ISO 9001 RoHS

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Technical Parameters

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



Capacity : 6KVA / 5.4 KW
Model : HY6000

Single Phase input : Single Phase output

Input

Voltage: 220-240 vac
Frequency: 40-70 Hz
Input Phase: Single phase with ground

Output

Voltage : 220 vac(Default), 208Vac/220Vac/230Vac/240Vac can be set on panel
Frequency: ±0.05%, Synchronized with utility on AC mode
Power Factor : 0.9
Crest Factor : 3:1
Voltage Regulation: ±1%
Output Waveform : Pure Sinewave
Overload Capacity: 105%-110%lasts 1 hour/110%-125%, lasts 10 minutes/125%-150, 1 minute
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

Quantity(12v DC): 16/18/20 pcs can be set as per requirement
Charging current : 10Amp
Charging voltage : Depend upon no.of battery
Charge Model : Bost charge or float charge auto switch

Environment

Operating temperature: Operating :0-45 degree, Storage: -25 degree-55 degree
Relative humidity: 0-95% Non condersing
Altitude: <1500m. when>1500m,derating
Noise Level : Low audible noise level

Weight

Net weight : 18kg
Dimension (D×W×H)mm : 480×220×438

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Technical Parameters

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



Capacity : 10KVA / 9KW
Model : HY10000

Single Phase input : Single Phase output

Input

Voltage: 220-240 vac
Frequency: 40-70 Hz
Input Phase: Single phase with ground

Output

Voltage : 220 vac(Default), 208Vac/220Vac/230Vac/240Vac can be set on panel
Frequency: ±0.05%, Synchronized with utility on AC mode
Power Factor : 0.9
Crest Factor : 3:1
Voltage Regulation: ±1%
Output Waveform : Pure Sinewave
Overload Capacity: 105%-110%lasts 1 hour/110%-125%, lasts 10 minutes/125%-150, 1 minute
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

Quantity(12v DC): 16/18/20 pcs can be set as per requirement
Charging current : 10Amp
Charging voltage : Depend upon no.of battery
Charge Model : Bost charge or float charge auto switch

Environment

Operating temperature: Operating :0-45 degree, Storage: -25 degree-55 degree
Relative humidity: 0-95% Non condersing
Altitude: <1500m. when>1500m,derating
Noise Level : Low audible noise level

Weight

Net weight : 20kg
Dimension (D×W×H)mm : 480×220×438

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Technical Parameters

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



Capacity : 10KVA / 9 KW
Model : HY10000

Three Phase input : Single Phase output

Input

Voltage: 380-415 vac
Frequency: 40-70 Hz
Input Phase: 3PH+N+PE

Output

Voltage : 220 vac(Default), 208Vac/220Vac/230Vac/240Vac can be set on panel
Frequency: ±0.05%, Synchronized with utility on AC mode
Power Factor : 0.9
Crest Factor : 3:1
Voltage Regulation: ±1%
Output Waveform : Pure Sinewave
Overload Capacity: 105%-110%lasts 1 hour/110%-125%, lasts 10 minutes/125%-150, 1 minute
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

Quantity(12v DC): 16/18/20 pcs can be set as per requirement
Charging current : 10Amp
Charging voltage : Depend upon no.of battery
Charge Model : Bost charge or float charge auto switch

Environment

Operating temperature: Operating :0-45 degree, Storage: -25 degree-55 degree
Relative humidity: 0-95% Non condersing
Altitude: <1500m. when>1500m,derating
Noise Level : Low audible noise level

Weight

Net weight : 23kg
Dimension (D×W×H)mm : 531×220×438

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Technical Parameters

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



Capacity : 15KVA / 13.5KW
Model : HY15000

Three Phase input : Single Phase output

Input

Voltage: 380-415 vac
Frequency: 40-70 Hz
Input Phase: 3PH+N+PE

Output

Voltage : 220 vac(Default), 208Vac/220Vac/230Vac/240Vac can be set on panel
Frequency: ±0.05%, Synchronized with utility on AC mode
Power Factor : 0.9
Crest Factor : 3:1
Voltage Regulation: ±1%
Output Waveform : Pure Sinewave
Overload Capacity: 105%-110%lasts 1 hour/110%-125%, lasts 10 minutes/125%-150, 1 minute
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

Quantity(12v DC): 16/18/20 pcs can be set as per requirement
Charging current : 10Amp
Charging voltage : Depend upon no.of battery
Charge Model : Bost charge or float charge auto switch

Environment

Operating temperature: Operating :0-45 degree, Storage: -25 degree-55 degree
Relative humidity: 0-95% Non condersing
Altitude: <1500m. when>1500m,derating
Noise Level : Low audible noise level

Weight

Net weight : 25kg
Dimension (D×W×H)mm : 531×220×438

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Technical Parameters

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



Capacity : 20KVA / 18 KW
Model : HY20000

Three Phase input : Single Phase output

Input

Voltage: 380-415 vac
Frequency: 40-70 Hz
Input Phase: 3PH+N+PE

Output

Voltage : 220 vac(Default), 208Vac/220Vac/230Vac/240Vac can be set on panel
Frequency: ±0.05%, Synchronized with utility on AC mode
Power Factor : 0.9
Crest Factor : 3:1
Voltage Regulation: ±1%
Output Waveform : Pure Sinewave
Overload Capacity: 105%-110%lasts 1 hour/110%-125%, lasts 10 minutes/125%-150, 1 minute
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

Quantity(12v DC): 16/18/20 pcs can be set as per requirement
Charging current : 10Amp
Charging voltage : Depend upon no.of battery
Charge Model : Bost charge or float charge auto switch

Environment

Operating temperature: Operating :0-45 degree, Storage: -25 degree-55 degree
Relative humidity: 0-95% Non condersing
Altitude: <1500m. when>1500m,derating
Noise Level : Low audible noise level

Weight

Net weight : 26.6kg
Dimension (D×W×H)mm : 531×220×438