Big on Power, Small on size

HN 110

8,10 kVA UPS

Single phase input - Single phase output

- DSP controlled system
- Near unity Power Factor
- Low input THDi
- High efficiency
- Intelligent battery charging management
- Advanced communication capabilities

Green Power

Core Competence in Power Electronics

HN 110

8, 10 kVA UPS

Single phase input - Single phase output

FEATURES

A Synthesis of the Best Technologies
- True Online Double Conversion design
- Perfected & proven design to work in extreme power conditions
- High efficiency, Low running cost (24 x 7 operation)

Power Friendly
- Advance rectifier with inbuilt APFC
- Near unity power factor
- Low input harmonic level
- Wide input Voltage window

Robust Charger, Longer Backups
- Robust battery charger to charge the batteries quickly for longer backup duration
- Advance battery management

Superior Output Power Quality
- DSP controlled, IGBT based Inverter
- Low distortion on full non-linear load
- Superior static & dynamic regulation

High Reliability
- Designed by the team of experts
- Manufactured in accordance with ISO 9001 : 2000
- Complied with testing standard IEC 62040 Part III

Advanced Communication Interface
- Flexibility at an interface level
- UPSMON II* software solution for Data, Event monitoring
- Auto shut down from remote places
- SNMP compliant*
- Ease of operation
- Easy to install

Well Protected Load
- Protected against abnormal input conditions
- Against short circuit, overload, over / under Voltage

Compliance to International standards
- Complied to International standards on EMI / EMC
- IEC / EN 62040 - 2 class A

Easy Maintenance
- Automatic bypass
- Manual Bypass

* (optional)

User friendly display
Displays following Parameters ;
- Date & Time
- Input Voltage
- Input Frequency
- DC Voltage
- Heat Sink Temperature
- Battery Voltage
- Battery Current
- Inverter Voltage
- Inverter Frequency
- Output Power (kVA & kW)
- Output Load
- Output Power Factor
- Bypass Voltage
- Bypass Frequency

SPECIFICATIONS

Model	HN 110
Rating	**8, 10 kVA**
Input Voltage	230 V, 184 to 276 (+/- 20%) for 100% load, Single Phase
Input Frequency	50 / 60 Hz (Selectable) (± 10 %)
Input Power Factor	> 0.97
Battery Voltage	240 V DC
Output Power	8 kVA, 10 kVA @ 0.8 pf
Output Voltage	230 V AC (220/240V adjustable) (± 1%)
Waveform	True Sine wave
Output Frequency	50 / 60 Hz (Selectable) Mains synchronized ± 1%, With internal oscillator ± 0.2%
Total Harmonic Distortion	< 2% on linear full load, Non linear full load complies with IEC / EN 62040 Part III class 1
Overall Efficiency	> 91%
Transient Response	Complies to IEC 62040 Part III Class 1
Overload Capacity	125% for 10 minutes ; 150% for 60 sec
Acoustic Noise Level	< 55 dBA @ 1.0 meter
Communications Interface	UPSMON through RS 232 / UPSMON through LAN (optional)
Automatic & Manual Bypass	Integrated
Enclosure	IP - 20
Cooling	Forced air
Ambient Temp	0 to 40°C
Relative Humidity	Upto 90% at 35 °C, Non condensing
Panel Dimensions (in mm)	300 (W) x 750 (D) x 750 + 80 Wheels (H)
Weight (Approx)	80 kg
Colour	Hawells Gray (RAL 7035)

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Management Service ISO 9001 : 2000

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R&D being continuous process, the specifications are subject to change without prior notice.

HN110/1.1/Aug 08/2000