

Uninterruptable Power Supply System Online - Heavy Duty

SUPRA[®]
THE POWER CONTROL PEOPLE

- Computer and Data Centers.
- Process Control in industries like CNC, Lazer cutting M/c
- Broadcasting / SAT Systems
- Internet Service Provider
- Safety System in Power Plants
- Medical Imaging Equipments, like MRI, CT scan, Lazer etc.
- Elevator backup and rescue operations
- Banks and ATM centers
- Applications requiring Constant frequency and constant voltage.



Display with
Realtime Monitoring



DSP / Microprocessor
Based Control



Overload Short
Circuit Protection



Energy Efficiency

Product features:-

- Advanced Technology: DSP based control for power and monitoring.
- IGBT (insulated gate bipolar transistor) inverter technology
- PWM Pure sine wave output,
- True on-line dual conversion design for UPS
- Wide Input Range, Robust Design for Harsh Environment
- With Isolation Transformer at Output
- Engineered Design, Easy for Maintenance and Minimize MTTR
- CNC Fabricated sheet enclosure for better aesthetics and consistency
- Three phase separate control, realizes the control of instantaneous over-loading balance, so as to reach 100% unbalanced load in three phase UPS.
- Intelligent communication optional SNMP and dry contact.
- Static Bypass switch available on demand.
- Perfect protection, output over/low voltage protection, input surge protection, phase sequence protection, battery over charge/discharge protection, short circuit protection, all displayed on LCD display with alarm function.
- Excellent load feature, It is completely capable to load from 0-100%
- Specifications can be customized to suit specific requirements.
- Designed and manufactured in India.

An ISO 9001 : 2015, 14001 : 2015, 45001 : 2018 Company



NSIC



R-64000205



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Technical Specifications

| Model | HD-330 Series |
|-----------------------------|---|
| Rating | 15KVA / 400KVA |
| AC INPUT | 400V +/- 20% (instead of 15%) |
| Frequency | 50Hz ± 6% |
| DC VOLTAGE INPUT: | 360 / 384VDC |
| Charging current | 20A max |
| Charger Type | CCCV (Constant Current Constant Voltage type) / 6 Pulse / IGBT |
| INVERTER: | |
| Technology | DSP based, IGBT Switching |
| Output Voltage | 380 / 400 / 415V AC Three Phase (Settable) |
| Voltage Regulation | ± 1 % |
| Frequency | 50Hz ± 0.1Hz |
| Waveform | PWM Sine wave |
| Harmonic Distortion | Less than 2% on Linear Load |
| Inverter Efficiency | Upto 94% |
| Power Factor | 0.8 |
| Overload | 110 % for 30 min, 150% for 30 sec |
| Crest Factor | 3 : 1 |
| Phase Displacement | 120° ± 1 % |
| Audible Noise | Less than 70 dB at 1 Meter |
| DISPLAY | |
| Digital LCD Display for | Output Voltages, Output currents & Frequency, DC Voltage , Battery and Load Percentage and All Faults |
| GENERAL | |
| Operating temperature | 0° C - 40° C |
| Humidity | Max 95%, Non-condensing |
| PROTECTIONS ELECTRONIC | |
| | Output Overload & Short circuit, Output Under & Overvoltage, DC Under & Overvoltage, Mains Under & Overvoltage, Mains Single Phasing. |
| PROTECTIONS SWITCH GEARS | |
| | Input, Output, Bypass – Switch /MCCB |
| INDICATIONS & ALARMS | |
| a) Mains on | LED Indication |
| b) Inverter | LED Indication |
| c) Batt Low | LED Indication & Alarm |
| d) Fault | LED Indication & Alarm |
| e) Overload | LED Indication & Alarm |
| OPTIONAL | |
| Communication | SNMP module |
| Bypass | Static Switch |
| Re - generative load | Optional KIT |

*Specifications are subject to change without prior notice due to continuous change in technology