

ELNOVA

ON-LINE UPS

LF Series



Double conversion true sinewave output

IGBT inverter design

Wide input operating range

Auto charging in UPS off mode

Advanced battery management

Smart Rs-232 Interface

On-line UPS LF series 10 - 120 KVA 3 Phase

Key Features

- True on-line double conversion design providing total power protection
- Sine wave pulse width modulation • IGBT inverter design
- Wide Input voltage range • Pure sine wave output with less than 3% THD
- Expandable back-up time • Generator compatible • Cold start
- Load/Battery power meter display
- Overload, on-line, battery status LED/LCD • Advanced battery management
- Automatic charging in UPS off mode
- Zero transfer time on AC mode to/from battery mode, AC mode to/from bypass mode
- Smart RS-232 communication port

Specifications:

Input

Nominal Input Voltage _____ 380/400/415VAC
Input Range _____ 350-460VAC
Input Frequency _____ 45-55Hz

Output

Output Voltage _____ 1 phase models -230VAC,
Output Voltage Tolerance _____ 3 phase models-380/400/415VAC (selectable through PC)
±1% for static balanced load, ±5% for unbalanced load
Output Frequency _____ 50Hz±0.1%
Load Power Factor _____ 0.8
Waveform _____ Pure Sine wave
Distortion _____ < 3% THD on linear load
Inverter Efficiency _____ > 92%
Overall Efficiency _____ >89%
Crest Factor _____ 3:1
Over Load _____ >125% for 10 minutes & 150% for 1 minute

Others

DC Battery Voltage _____ 384VDC
Noise _____ <60 Db at 1 meter
Environment _____ 0-40C, 90% RH (Non-condensing)
Cooling _____ Forced Air

Options

- Software for auto shutdown
- SNMP for remote monitoring
- Potential free contacts for remote indications & shutdown
- Green Power : Almost unity input power factor, Input current distortion <9%, Compatibility with almost same capacity generator
- Remote Emergency Power Off
- Voltage stabiliser in Bypass Line
- Battery Management System
- Parallel Redundancy



ELNOVA

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