

# LP Series 31

## *Product Presentation*



# LP Series

The family



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- LP 3/5/6/8/10-11
- LP 5/6/8/10-31T
- LP 8/10/15/20-31
- LP 10/20/30-33



# LP Series 31

## Technical Concept

- True on-line double conversion
- Electronic and manual bypass
- High frequency design
- Microprocessor controlled
- Implemented Eco Mode
- Backfeed Protection standard

# LP Series 31

## Technical Concept

- Wide input voltage range: 300-470V
- Wide input frequency range: 45-65Hz
- Power factor  $\geq 0.95$  input
- Inrush current: none!
- Cold Start (battery start )

# LP Series 31

## Technical Concept

- Standard 2 x 2 x 20 batteries 7Ah (15/20kVA)
- 2 x 20 7Ah or 2 x 2 x 20 7Ah (8/10kVA)
- Charge voltage = 271V, 13.55V/battery
- Charge current is 30% of CA
- Temperature compensated charging
- Automatic monthly battery test
- Battery calibration test

# LP Series 31

## Technical Concept

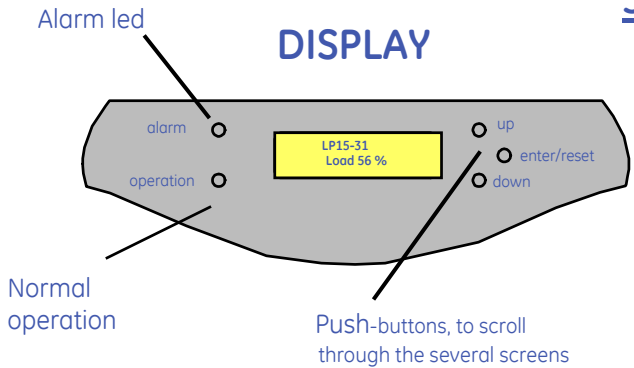
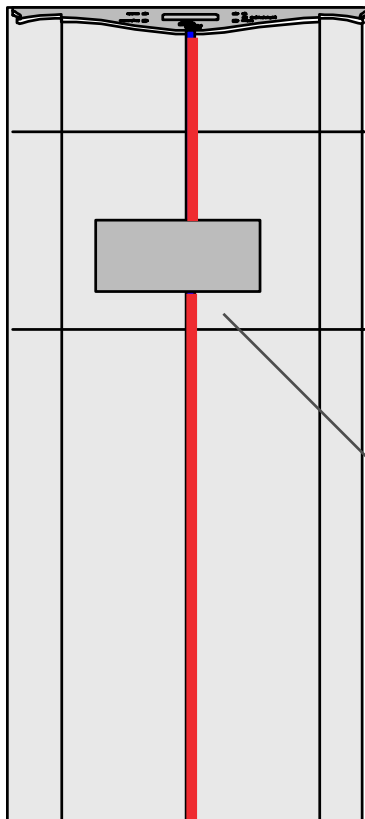
- **Protected against wrong connection to mains**
- **Protected against:**
  - low/high DC voltage
  - over temperature
  - overload
- **User selectable output voltage 220/230/240V**
- **High crest factor acceptance: 5:1**

# LP Series 31

## Technical Concept

- Bypass input voltage limits -15% and +10%
- Frequency tracking range  $\pm 2\%$ , 4%, 6% of nominal
- Tracking rate 1 Hz/sec “low”, 5 Hz/sec “high”
- Protected against overload

# Technical Description

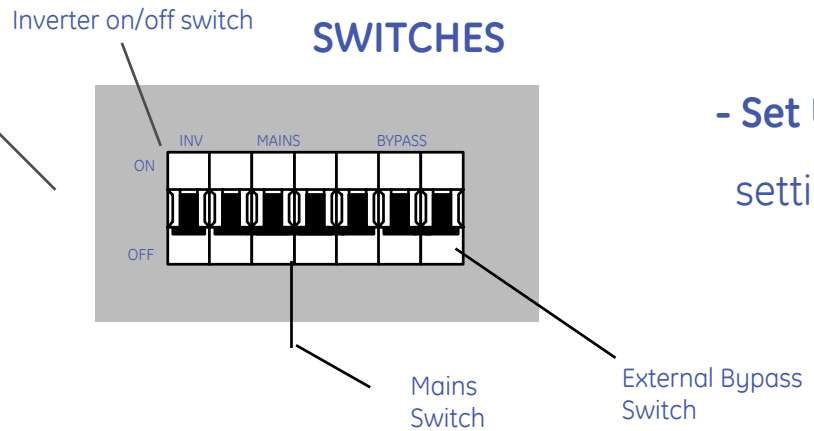


## 3 MENU STRUCTURES

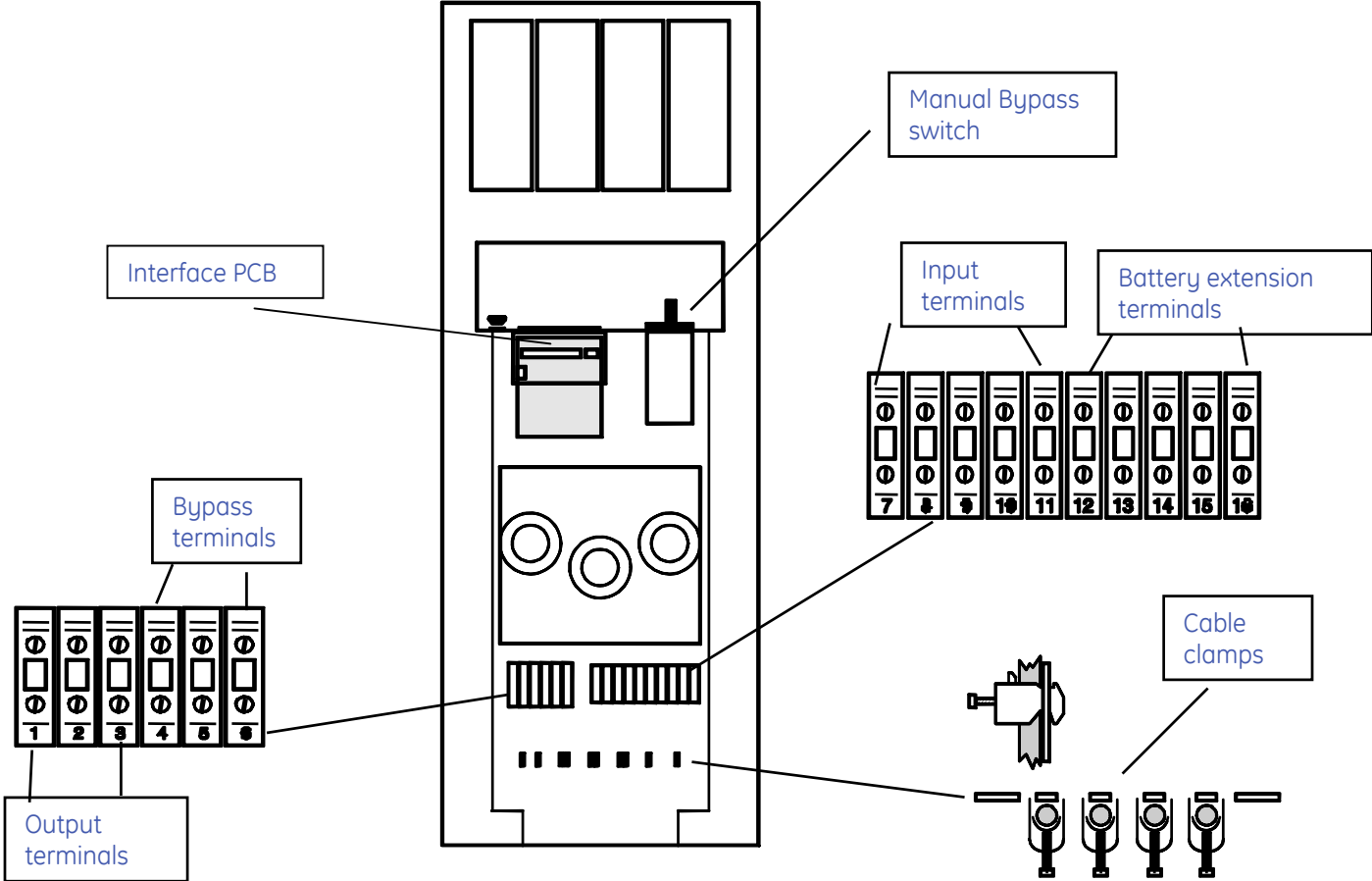
- **Information Screen**  
status and alarm messages

- **Service screen**  
internal settings  
test screens

- **Set Up Screen**  
setting of parameters



# Technical Description



# LP Series family



Individual characters to successfully perform  
in a fast changing environment