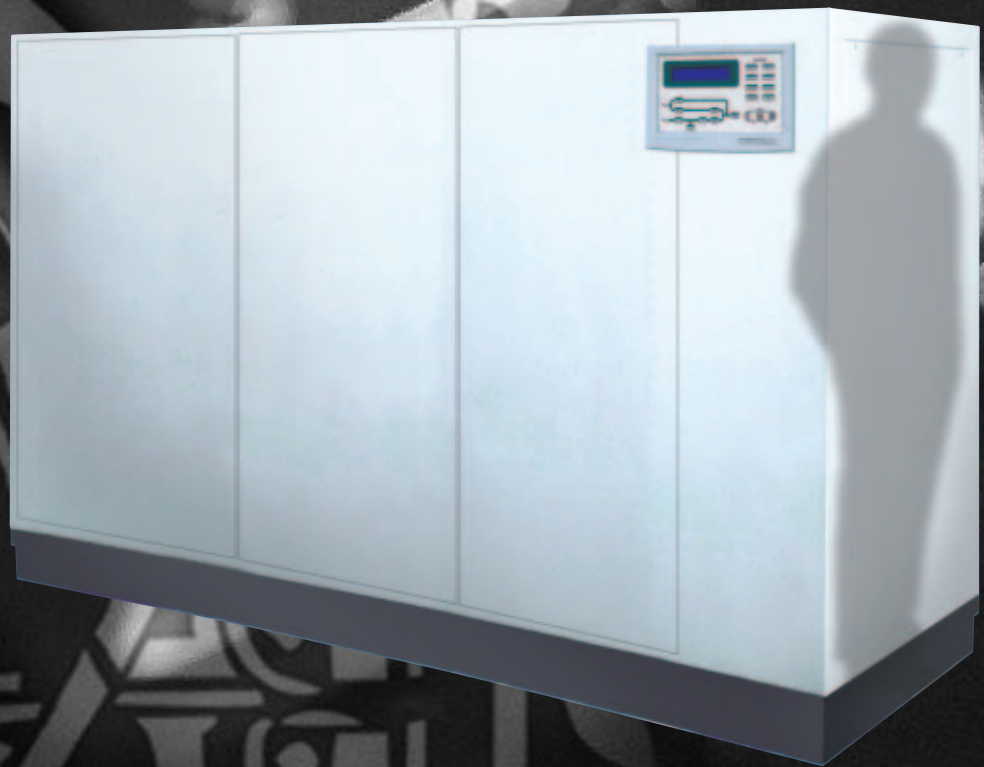


POWER SHIELD

Extreme

10kVA to 320kVA True Online UPS with Galvanic Isolation

- True Online, Double Conversion UPS
- Able to sustain 100% unbalanced load
 - Lightning and surge protection
 - Continuous EMI & RFI protection
 - Unique battery management system
 - Multi CPU design reduces failure rate
- Modular design for easy maintenance and minimizes MTR
- Large Capacity and charging power for long backup applications
- Galvanic isolation provides the cleanest, safest power



Power  Shield®

G U A R D I N G Y O U R B U S I N E S S

POWER SHIELD

Extreme

| Capacity (KVA) | | 10 | 20 | 30 | 40 | 50 | 60 | 80 | 100 | 120 | 160 | 240 | 320 |
|-----------------|-----------------------|--|-----|-----|---------------------|-----|-----|---------------------|-----|------|-----------------|-------------------|------|
| Physical size | HxWxD mm | 1600 x 550 x 800 | | | | | | 1600 x 1100 x 800 | | | | 1600 x 2200 x 800 | |
| Weight | Kgs | 265 | 301 | 401 | 484 | 550 | 683 | 822 | 949 | 1184 | 1451 | 1955 | 2452 |
| Battery | DC Voltage | 348VAC | | | | | | | | | | | |
| | Type | Sealed lead acid maintenance free battery | | | | | | | | | | | |
| | Max charge current | 10A | 10A | 15A | 20A | 25A | 30A | 40A | 50A | 60A | 80A | 120A | 160A |
| Input Rectifier | Voltage | 220V Δ /380V Δ /460V Δ , 208VY/380VY/400VY/415VY (+/-20%) | | | | | | | | | | | |
| | Frequency | 50Hz/60Hz +/- 7% | | | | | | | | | | | |
| | Voltage regulation | +/-1% | | | | | | | | | | | |
| | Soft start | 20 sec max | | | | | | | | | | | |
| | PF @ 415V | 0.9 - 1 | | | | | | | | | | | |
| Inverter | Output voltage | 220V Δ /380V Δ /460V Δ , 208VY/380VY/400VY/415VY (+/-1%) | | | | | | | | | | | |
| | Frequency | 50Hz or 60Hz +/-0.1Hz | | | | | | | | | | | |
| | PF | 0.8 | | | | | | | | | | | |
| | Waveform | Sinusoidal | | | | | | | | | | | |
| | Overload capacity | <110% continuous | | | 110-125% for 15 min | | | 125-150% for 10 min | | | >150% for 1 min | | |
| | THD (linear) | <2% | | | | | | | | | | | |
| | Efficiency | >93% (100% load) | | | | | | | | | | | |
| Static switch | Voltage range | 173-277 VAC (L - N) | | | | | | | | | | | |
| | Transfer time | 0ms | | | | | | | | | | | |
| Indicators | Status | LED, LCD, buzzer | | | | | | | | | | | |
| System data | Efficiency (PF=0.8) | >91% | | | | | | | | | | | |
| | EN5009-1-1,-2 | YES | | | | | | | | | | | |
| | Short circuit protect | YES | | | | | | | | | | | |
| | Lightning/EMC filter | MOV/Input & Output (FCC class A) | | | | | | | | | | | |
| | Galvanic Isolation | Input & Output true Galvanic isolation | | | | | | | | | | | |
| | Noise @ 1m | <65dBA | | | | | | <67dBA | | | | | |
| | Temperature | 0-40°C | | | | | | | | | | | |
| | Humidity | <90% @ 20°C | | | | | | | | | | | |
| | Altitude | <1500m above sea level | | | | | | | | | | | |
| Interface | | Remote control/Communication Interface - Monitors 1-99 UPS, dry contacts, RS232, RS485 | | | | | | | | | | | |

Accessories

- Battery cabinet (1600x550x800) housing up to 29 x 12V/26AH batteries.
- UPScom software - Enables monitoring of up to 99 UPS's via RS232.
- UPSCAN - Remote control LCD/LED display module monitoring up to 99 UPS's.
- Emergency stop - Stops UPS output in an emergency.
- Battery monitor module - Monitors batteries and gives advance warning before battery failure.

