

CHAMPION[®] UPS

THREE PHASE DOUBLE CONVERSION ONLINE UPS

— RANGE —
20KVA-60KVA



**INDUSTRIAL RUGGED UPS FOR
BUSINESS CRITICAL APPLICATIONS**



**HIGH-EFFICIENCY PROTECTION
WITHOUT ANY COMPROMISE**



**IGBT TECHNOLOGY AND
ZERO TRANSFER TIME**



**SCALABLE POWER &
HIGH AVAILABILITY**

THREE PHASE INPUT - THREE PHASE OUTPUT

Champion three phase double conversion online UPS are designed for mission critical applications that require the best combination of energy efficiency, reliability and lowest cost of ownership. These UPS are enough capable to provide continuous power in the event of AC power failure or degradation in the AC power, because of its Intelligent Double Conversion Technology with a DSP-based IGBT inverter. This allows stable interference-free power to the load, in turn ensuring a clean and regulated output sine wave.

ENERGY-EFFICIENT DESIGN

With a transformer-free design and sophisticated sensing and control circuitry is capable of achieving up to 98.5% efficiency rating, making it one of the most energy efficient UPS in its class. And still it provides maximum load protection. Also it provides customer security in power supply with intelligent choice between two line input or one line input according to actual condition.



PIONEERING SOLUTIONS FOR TOTAL POWER PROTECTION

KEY FEATURES

- 1 Operates on Three phase input - Three phase output
- 2 IGBT based double conversion technology
- 3 Provides surge suppression for the load
- 4 High reliability & high system efficiency reduces utility cost
- 5 DSP Microprocessor control and latest PWM technology
- 6 Switches to double conversion operation in less than 4 ms
- 7 Operates with input power factor corrector more than 0.99
- 8 Extends battery run times available for long backup time
- 9 Detects the location of faults & takes the appropriate action
- 10 Compact & serviceable design upto 30% smaller
- 11 Build in automatic and manual bypass
- 12 DC start and inbuilt automatic self- diagnostic function

TECHNICAL SPECIFICATIONS

| MODELS | UPS-20KVA | UPS-30KVA | UPS-40KVA | UPS-60KVA |
|-------------------------|--|--------------|--------------|--------------|
| POWER | | | | |
| Capacity | 16KW | 24KW | 32KW | 48KW |
| INPUT | | | | |
| Input Voltage | 380/400/415 Volts AC (Selectable) | | | |
| Input Voltage Range | 305VAC - 477VAC | | | |
| Input Frequency | 50Hz/60Hz Auto Select | | | |
| Input Frequency Range | 40Hz - 60Hz | | | |
| Phase | Three Phase with Ground | | | |
| Input Power Factor | >0.99 | | | |
| THDi | <3% | | | |
| OUTPUT | | | | |
| Voltage | 380/400/415 volts (Selectable) | | | |
| Frequency | 50Hz/60Hz Auto Select | | | |
| Frequency Accuracy | ± 0.1 Hz (free Running) | | | |
| Voltage Regulation | ± 2% | | | |
| Waveform | Pure Sine Wave | | | |
| Transient Response | ± 5% (10%-90% Linear Load), Recovery within 10 ms | | | |
| THD | < 2% (Linear load), < 3% (Computer load) | | | |
| Overload Capacity | 110% for 60min, 125% for 10min, 150% for 1min | | | |
| Crest Factor | 3:1 | | | |
| Efficiency | 92% (Overall), 96% (Eco Mode) (Under ideal load + line condition) | | | |
| BATTERIES | | | | |
| Type | External Battery Bank | | | |
| DC Voltage | 384 VDC | | | |
| USER INTERFACE | | | | |
| LED Status | Normal, Battery, Bypass, Fault with Mimic Diagram | | | |
| LCD | Intelligent LCD Display for Real time status monitoring & Fault indication | | | |
| Audible | Buzzer Alarm | | | |
| Communication | Standard RS232 port, Dry contacts | | | |
| SNMP | Optional | | | |
| ENVIRONMENTAL | | | | |
| Noise (At 1 Meter) | < 60dBA | | | |
| Operating Temperature | 0 ~ 40° C (UPS) & 25° C + 5° C (Battery) | | | |
| Ambient Temp. (Storage) | -20° C ~ 70° C (UPS) & -20° ~ 30° C (Battery) | | | |
| Humidity | 5 - 95% (Non Condensing) | | | |
| Operating Elevation | 1000 meters | | | |
| OTHERS | | | | |
| Safety Approval | EN-50091-2 Class A, CE, CNS13438 Class A, EN50091-1-1, IP 20 | | | |
| Cold Start | Yes | | | |
| Battery Bank Extension | Possible | | | |
| Dual Input Connection | Provided for Hot Standby Configuration | | | |
| Bypass | Automatic (Bi-directional) & Manual | | | |
| PHYSICAL | | | | |
| Dimension (W×D×H)(mm) | 420×643×956 | 479×710×1150 | 479×710×1150 | 680×835×1550 |
| Net Weight | 82 kgs | 135 kgs | 140 kgs | 282 kgs |

* Specifications are subject to change without notice.

WIDE RANGE OF APPLICATIONS

Three phase online double conversion UPS are flexible enough to meet any power, redundancy, harmonic control, interface design and battery backup time requirements as a result making it ideal for a wide range of applications to suit your needs.



Server & Networks



Telecomm Equipments



Industrial Equipments



Medical Equipments



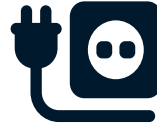
Data Centers



Banks & Financial Inst.



Malls & Retails



Any Other Sensitive Device



GET IN TOUCH WITH US!

We provide all power protection & backup solution, and offer a diverse and extremely reliable product range. And specialized in creating customize solutions as per your need & requirement. We are committed to providing our customers with the most efficient and reliable power solutions.

why?

CHAMPION UPS

26 YRS

Expertise
in UPS
Manufacturing



Modern
Manufacturing
Facility



Trusted &
Reliable
Brand



Highest
Quality
Products



Economical
Power
Solutions

55+

PAN India
Service
Centres



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