

LDS-POWERCON

THE RUGGED POWER SOURCE

UPTO 240 KVA

Designed and perfected for Extreme Indian Environmental and Power Conditions by Technocrats having Four Decades of experience exclusively in the Power Electronics Field.

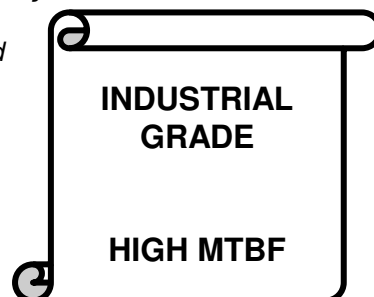


- **TRUE ONLINE DOUBLE CONVERSION UPS SYSTEMS**
- **CONSTANT VOLTAGE CONSTANT FREQUENCY (CVCF) SYSTEMS**
- **FREQUENCY CONVERTERS & FREQUENCY STABILIZERS**
- **SPECIAL POWER SUPPLIES FOR AIRCRAFT / SHIP MAINTENANCE**
- **CUSTOMISED SYSTEMS** – Any Input / Output Voltage / Frequency

RELIABILITY IS OUR PRIME CONCERN

LDS-POWERCON Online UPS Systems are trusted for critical applications such as ERP/LAN/WAN Networking, CNC Machines, DCS, Telecom, Textile controls, Online Stock Trading, Aircraft Maintenance, On-board Marine, Motor Load applications etc. Within a short-span LDS-POWERCON has established amongst the Highly Reliable & Rugged UPSs available in the market. *The key features are:*

- True ONLINE Double Conversion Power Recreation
- Regenerated Output Neutral for Galvanic Isolation between Mains and Load
- Latest State of the Art Power Electronics with Redundant Power Supplies
- Advanced Sine-weighted High Frequency PWM Inverter using IGBTs/ IPMs
- Indigenous Rugged Design for Unmatched Performance
- Dual-Step, Low Ripple, CV / CC Charging for Extra Long Life of Batteries
- High Overload Capability & Crest Factor Tolerance
- Compact Size & Decent Aesthetics
- Quiet Operation suitable for Modern Offices , Computer Rooms & Facilities
- OPTIONS - Any Non-standard Input/ Output Voltage & Frequency



LDS-POWERCON ONLINE UPS Specifications :

Topology	True Online Double Conversion Power Recreation		
Rectifier Design	Fully Controlled		
Charger Design	Dual-Step (Float/ Boost), Low Ripple, CV/CC Charging		
Inverter Design	Advanced Sine-weighted High Freq. PWM using IGBT& IPM		
Duty	Continuous Operation		
STANDARD SYSTEMS			
TYPE	INPUT	OUTPUT	POWER RATINGS (KVA)
1-1	Single Phase	Single Phase	3, 6
3-1	Three Phase	Single Phase	12, 15, 20, 30, 45, 60, 80
3-3	Three Phase	Three Phase	12, 15, 20, 30, 45, 60, 80, 120, 150, 180, 200, 240
INPUT			
Voltage Range	170 to 270 V AC, Single Phase 340 to 460 V AC, Three Phase		
Frequency Range	47 to 53 Hz		
OUTPUT			
Voltage	230 V AC, Single Phase or 400 V AC, Three Phase		
Voltage Regulation	+ 1%		
Frequency	50 Hz \pm 0.05% Crystal Controlled		
Waveform	Sine Wave		
Harmonic Distortion	Less than 2% on linear load		
Power Factor	Unity to 0.7 lag within specified power ratings		
Load Crest Factor	3 : 1 without derating (Supports 5 Pentium Computers per KVA)		
Overload Capacity	125% for 10 minutes, 150% for 1 minute, 300% for 20 millisecs.		
BATTERY			
Type	Sealed Lead Acid Maintenance Free/ Lead Acid Tubular/ Ni-Cd		
Back-up Time	As per requirement		
PROTECTIONS			
Input Over Current	Input Over/Under Voltage	Battery Over/Under Voltage	
Over Temperature	Output Over/Under Voltage	Output Overload/ Short circuit	
ENVIRONMENTAL			
Operating Temp.	0 to 45°C (50°C Peak)		
Relative Humidity	Upto 95% non-condensing		
Audible Noise	< 50 dB for upto 15 KVA and <65 dB for Higher Ratings		
Ingress Protection	IP 21		
Cooling	Forced Air		
OPTIONAL FEATURES			
• 1 + 1 Redundant Configuration		• Unlimited Battery Back-up	
• Natural Air Cooled		• Remote Control/ Display Unit	
• Event-Logger		• External Bypass Panel	
• Symmetry- Phase Sequence Correction Panel		• Any Non-standard Voltage / Frequency	

Specifications are subject to change without notice.