

Chloride 90-NET UPS (180 - 500 kVA)



Secure, scalable power for today and tomorrow's data center requirements.

Chloride 90-NET UPS

The Chloride 90-NET UPS Series is designed to meet the changing priorities and requirements of modern data centers in single- and multi-module configurations up to eight modules.

The series is optimized for high density applications ranging from conventional servers and communications gear to advanced blade servers—without de-rating or modification. Solid design and technology, paralleling capability, and dual inputs assure the highest levels of system availability while setting new standards for efficiency, cost-effectiveness, flexibility, and quiet operation.

Dependable technology

- True on-line operation
- Space-saving internal maintenance bypass (single module systems only)
- High efficiency
- Blade server (leading power factor) ready
- 0.9 leading to 0.9 lagging output power factor
- Vector-control IGBT inverter
- Advanced battery management
- Low input THDi
- LIFE.net for real-time monitoring of UPS status from the Chloride Service Center.

Convenient features

- Parallelable, up to 8 modules
- User friendly display and operator controls
- Includes ManageUPS® SNMP Adapter
- Quiet operation
- Dual input capability
- Power walk-in capability (selectable)
- Generator mode (selectable)
- Easy installation and maintenance

Versatile options

- External maintenance bypass
- ManageUPS CIO web based management software
- ManageUPS net Adapter +B Modbus
- MopUPS® PR parallel/redundant management/shutdown software
- Extended warranties and service plans
- Preventative maintenance packages
- Multiple bus synchronization module

Reliable service

- 24-hour technical support

Assured safety & quality

- Listed to UL 1778, CSA 22.2 No. 107.3
- ISO 9001 & ISO 14001

	Model 225		Model 400		Model 500
90-NET UPS model	180 kVA	225 kVA	300 kVA	400 kVA	500 kVA
Base unit part number	90NET/225/180-44	90NET/225/225-44	90NET/400/300-44	90NET/400/400-44	90NET500/500-44
Power rating @ 0.9 power factor (kVA/kW)	180/162	225/202	300/270	400/360	500/450
Input voltage single input (VAC)	480, 480/277 (if neutral is used)				
Input voltage dual input (VAC)	480 rectifier, 480/277 bypass (if neutral is used)				
Input voltage tolerance	+ 15% / -15%				
Input frequency (Hz)	60 \pm 5%				
Input power factor	>0.9				
Nominal input current (A)	225	285	386	513	641
Maximum input current (A)	295	355	466	625	780
Input THDi	\leq 7%				
Output voltage (VAC)	480/277				
Output voltage regulation	\pm 1% with balanced load; \pm 3% with 100% unbalanced load				
Nominal output current (A)	217	271	361	481	601
Voltage THD	< 3% for 100% linear loads				
Load power factor (without derating)	0.9 leading - 0.9 lagging				
Output frequency (Hz)	60 Hz \pm 0.75% (selectable)				
System efficiency @ 100% load	93.4%	93.5%	93.6%	93.8%	93.8%
Full load heat rejection (BTU/hr)	39,059	48,033	63,100	81,300	101,500
UPS dimensions HxWxD - in (cm)	77.3 x 56 x 33.6 (196.4 x 142.2 x 85.4)		77.3 x 74.7 x 33.6 (196.4 x 189.7 x 85.4)		
UPS net weight - lbs (kg)	2,867 (1,300)		4,515 (2,048)		4,975 (2,257)
UPS ship weight - lbs (kg)	3,067 (1,391)		4,715 (2,138)		5,175 (2,347)

Performance characteristics

Paralleling capability: for capacity and redundancy

Inverter technology: IGBT with vector control system—DSP technology for real time response to overloads and power disturbances

Overload capacity: 150% for 1 minute; 125% for 10 minutes

Maximum acoustical : 65 dBA @ 1 meter

Connectivity: dry contact, RS-232, SNMP and user programmable interface (standard)

Temperature: operating: 32°F - 104°F (0°C - 40°C)

Relative humidity: \leq 95%, non-condensing

Altitude: 5000ft / 1500 m asl without derating

Protection degree (with doors open): IP20

This company has a policy of continuous product development and improvement, and we therefore reserve the right to vary any information or specification without prior notice.

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