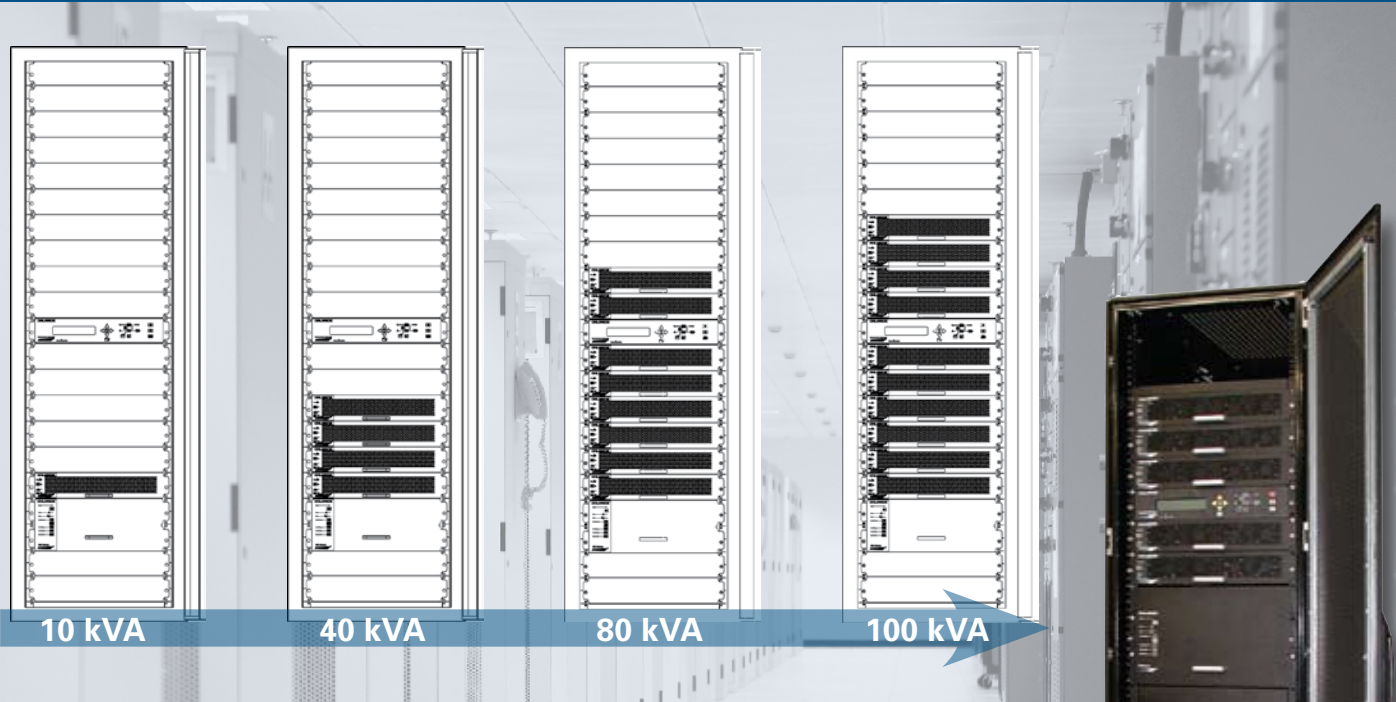


MOD10 Series UPS (10 - 100 kVA)



The UPS system that grows with you—from 10 kVA to 100 kVA and everything in between. The MOD10 Series UPS from Chloride provides scalable, secure power with the convenience of plug and play and the ease of hot-swap modules.

Reliable, lightweight, efficient

True online 10 kVA power modules let you easily configure the power solution that is optimal for you right now—and add to it as your needs change. Each 10 kVA power module can be added as your power demands expand. Module counts and configurations can change to increase capacity and provide redundancy for far less cost than with conventional UPS systems.

Support is flexible as well. You can choose to support the systems yourself, or have Chloride provide you with factory-trained and certified local on-site service and support.

Designed for flexibility

- Configurable for capacity and redundancy
- Lightweight 10 kVA modules
- True online protection
- 50 and 100 kVA frame sizes
- High efficiency—up to 94%
- Low input current distortion (THDi)—generator friendly
- Easy configuration for capacity, redundancy, or both
- Built-in MOD10 specific SNMP/Web/network connectivity
- Chloride service is available if you need it 24/7/365

MOD10 Series UPS (10 - 100 kVA) specifications

Power range (kVA/kW)	10-100 kVA / 8-80 kW (0.8PF)									
Topology	true online, double conversion									
Construction	modular parallel hot-plugged modules, continuous operation									
Input										
Voltage (V)	208, three-phase with neutral (4-wire plus ground)									
Voltage range	-25% - +15%									
Current	max 28 A per phase for a single module; 140 A per phase for 50 kVA max; 280 A per phase for 100 kVA max									
Frequency	47-63 Hz									
Power factor	0.99									
THDi	<5% at full load									
Output										
Rated power	10 kVA / 8 kW to 100 kVA / 80 kW									
Frequency tracking range	±2 Hz (selectable)									
Frequency (in free running mode)	50/60 Hz ±0.1%									
Slew rate	1 Hz / sec									
Voltage (V)	208, three-phase with neutral (4-wire plus ground)									
Static regulation	±1%									
Regulation for unbalanced load	±1% for 100% unbalanced load									
Dynamic response to 100% load step	±2%									
Waveform	sinusoidal									
THDV	less than 2% for linear load									
Load current crest factor (max)	4:1									
AC-AC efficiency (nominal)	up to 94%									
DC-AC efficiency (nominal)	up to 97%									
Batteries										
DC-link voltage	384 V center tapped									
Number of batteries/string	32 x 12 V									
General										
Maximum power dissipation (Po=8kW)	510 W (1740 BTU/h) for a single module; for 50 kVA system 2550 W (8700 BTU/hr); for 100 kVA system 5100 W (17400 BTU/hr)									
Ambient temperature (UPS only)	-10°C to +40°C (operating); -20°C to +60°C (storage)									
Relative humidity	95% max non-condensing									
Altitude	1500 m without derating									
Cooling	forced—redundant-fan with speed control									
Acoustic noise (@1.5 m from front)	10 kVA	20 kVA	30 kVA	40 kVA	50 kVA	60 kVA	70 kVA	80 kVA	90 kVA	100 kVA
Noise (dBA) half load	48	52	53	54	55	55.8	56.4	57	57.5	58
Noise (dBA) full load	51	54	55	57	58	58.8	59.4	60	60.5	61
Standards										
EMC	IEC 62040-2, FCC part 15 class B									
Safety	UL1778; IEC 62040-1-1, cUL									
System										
Dimensions - in (mm) (10-50 kVA system*) H x W x D	80 x 24 x 42 (2120 x 600 x 1060)									
Weight - lbs (kg) (10-50 kVA system with no internal batteries)	655 (297)									
Max weight - lbs (kg) (10-50 kVA system with 12 minutes internal batteries and [5] 10 kVA power modules)	1825 (832)									
Dimensions - in (mm) (10-100 kVA system**) H x W x D	80 x 24 x 42 (2120 x 600 x 1060)									
Max weight - lbs (kg) (10-100 kVA system with no internal batteries**)	778 (347)									
Power Module										
Dimensions - in (mm) H x W x D	3.47 (2U) x 19 x 18.5 (88 x 483 x 470)									
Weight - lbs (kg)	22 (9.8)									

*For runtimes exceeding the capacity of internal battery space, an additional battery cabinet is required.

** External battery cabinet is required for 10-100 kVA system.

Specification subject to change without notice.