

Chloride EDP70Plus (12 - 36 kVA)



Rugged, reliable double conversion technology for demanding applications.

Chloride EDP70Plus UPS

The EDP70Plus Model 24 and Model 36 are rugged, field-proven UPSs, configurable to provide secure power solutions for requirements ranging from 12 to 36 kVA, 208 and 480 volts in and/or out.

They are ideally suited for small data centers, light industrial applications, medical laboratory applications, and other critical requirements.

The EDP70Plus can be configured in either single module or isolated redundant configurations for heightened availability.

Dependable technology

- True on-line protection
- IGBT PWM inverter
- Input/output circuit breakers
- Advanced battery management
- Generator compatibility
- High overload capacity
- Fast acting, continuous duty rated static switch

Convenient features

- One year LIFE.net monitoring service free
- User friendly, multilingual display
- Caster-equipped for ease of installation
- Dual RS232 ports
- Internal maintenance bypass

Versatile options

- Dual input (available option on all models except 24 kVA, 480 V input)
- Isolated redundant configuration
- External maintenance bypasses
- Field capacity upgrade
- Variety of battery choices
- Full Chloride connectivity suite
- 10% harmonic filter

Reliable service

- Three year battery warranty (VRLA)
- 24-Hour technical service

Assured safety & quality

- UL 1778 listed
- ISO 9001 & ISO 14001
- CSA-C22.2 No. 107.1-95

MODEL 24	12 kVA			18 kVA			24 kVA		
EDP70plus UPS model 24	2x2	4x2	4x4	2x2	4x2	4x4	2x2	4x2	4x4
Base unit part number	Plus24/12-2x2	Plus24/12-4x2	Plus24/12-4x4	Plus24/18-2x2	Plus24/18-4x2	Plus24/18-4x4	Plus24/24-2x2	Plus24/24-4x2	Plus24/24-4x4
Power rating @ 0.67 power factor (kVA/kW)	12/8	12/8	12/8	18/12	18/12	18/12	24/16	24/16	24/16
Input voltage single input (VAC)	208Y/120	480	480	208Y/120	480	480	208Y/120	480	480
Input voltage tolerance	± 15%			± 15%			± 15%		
Input frequency (Hz)	60 Hz ± 5%			60 Hz ± 5%			60 Hz ± 5%		
Input power factor	> 0.9 with filter			> 0.9 with filter			> 0.9 with filter		
Input current (nominal/maximum) (A)	31/38	13/17	14/18	46/58	20/25	20/26	62/77	27/34	27/34
Input THDi	≤ 10% with filter			≤ 10% with filter			≤ 10% with filter		
Output voltage (VAC)	208Y/120	208Y/120	480Y/277	208Y/120	208Y/120	480Y/277	208Y/120	208Y/120	480Y/277
Output voltage regulation	± 3%, 100% unbalanced load			± 3%, 100% unbalanced load			± 3%, 100% unbalanced load		
Nominal output current (A)	33	33	14	50	50	22	67	67	29
Voltage THD	< 3%, linear load < 5% 100% non-linear load			< 3%, linear load < 5% 100% non-linear load			< 3%, linear load < 5% 100% non-linear load		
Output frequency (Hz)	60 Hz ± 0.1%			60 Hz ± 0.1%			60 Hz ± 0.1%		
System efficiency @ 100% load (%)	88	87	86	88	87	86	88	87	86
Full load heat rejection (BTU/hr)	3,750	4,100	4,450	5,583	6,120	6,660	7,444	8,157	8,887
UPS dimensions HxWxD - in (cm)	56 x 27.5 x 28.7 (141 x 69 x 72)			56 x 27.5 x 28.7 (141 x 69 x 72)			56 x 27.5 x 28.7 (141 x 69 x 72)		
UPS net weight - lbs (kg)	900 (409)	1200 (546)	1400 (636)	900 (409)	1200 (546)	1400 (636)	900 (409)	1200 (546)	1400 (636)
UPS ship weight - lbs (kg)	contact factory			contact factory			contact factory		
Inverter technology	IGBT PWM			IGBT PWM			IGBT PWM		
Overload capacity	150% for 1 min. 125% for 10 min.			150% for 1 min. 125% for 10 min.			150% for 1 min. 125% for 10 min.		
Maximum acoustical	55 dBA @ 3 feet			55 dBA @ 3 feet			55 dBA @ 3 feet		
Connectivity	RS-232 standard; SNMP/WEB optional; LIFE.net free for 1 year			RS-232 standard; SNMP/WEB optional; LIFE.net free for 1 year			RS-232 standard; SNMP/WEB optional; LIFE.net free for 1 year		
Temperature	18°F to 104°F (-8°C to 40°C)			18°F to 104°F (-8°C to 40°C)			18°F to 104°F (-8°C to 40°C)		
Relative humidity	0 to 95% (non condensing)			0 to 95% (non condensing)			0 to 95% (non condensing)		
Altitude without derating - ft (M) ASL	5000 (1500)			5000 (1500)			5000 (1500)		

MODEL 36	24 kVA			30 kVA			36 kVA		
EDP70plus UPS model 36	2x2	4x2	4x4	2x2	4x2	4x4	2x2	4x2	4x4
Base unit part number	Plus36/24-2x2	Plus36/24-4x2	Plus36/24-4x4	Plus36/30-2x2	Plus36/30-4x2	Plus36/30-4x4	Plus36/36-2x2	Plus36/36-4x2	Plus36/36-4x4
Power rating @ 0.67 power factor (kVA/kW)	24/16	24/16	24/16	30/20	30/20	30/20	36/24	36/24	36/24
Input voltage single input (VAC)	208Y/120	480	480Y/277	208Y/120	480	480Y/277	208Y/120	480	480Y/277
Input voltage tolerance	± 15%			± 15%			± 15%		
Input frequency (Hz)	60 Hz ± 5%			60 Hz ± 5%			60 Hz ± 5%		
Input power factor	> 0.9 with filter			> 0.9 with filter			> 0.9 with filter		
Input current (nominal/maximum) (A)	61/76	26/33	26/33	76/95	41/51	41/51	91/114	47/58	47/58
Input THDi	≤ 10% with filter			≤ 10% with filter			≤ 10% with filter		
Output voltage (VAC)	208Y/120	208Y/120	480Y/277	208Y/120	208Y/120	480Y/277	208Y/120	208Y/120	480Y/277
Output voltage regulation	± 3%, 100% unbalanced load			± 3%, 100% unbalanced load			± 3%, 100% unbalanced load		
Nominal output current (A)	67	67	29	83	83	36	100	100	43
Voltage THD	< 3%, linear load < 5% 100% non-linear load			< 3%, linear load < 5% 100% non-linear load			< 3%, linear load < 5% 100% non-linear load		
Output frequency (Hz)	60 Hz ± 0.1%			60 Hz ± 0.1%			60 Hz ± 0.1%		
System efficiency @ 100% load (%)	89			89			89		
Full load heat rejection (BTU/hr)	6,747			8,434			10,127		
UPS dimensions HxWxD - in (cm)	56 x 27.5 x 28.7 (141 x 69 x 72)			56 x 27.5 x 28.7 (141 x 69 x 72)			56 x 27.5 x 28.7 (141 x 69 x 72)		
UPS net weight - lbs (kg)	1,300 (591)			1,300 (591)			1,300 (591)		
UPS ship weight - lbs (kg)	contact factory			contact factory			contact factory		
Inverter technology	IGBT PWM			IGBT PWM			IGBT PWM		
Overload capacity	150% for 1 min. 125% for 10 min.			150% for 1 min. 125% for 10 min.			150% for 1 min. 125% for 10 min.		
Maximum acoustical	55 dBA @ 3 feet			55 dBA @ 3 feet			55 dBA @ 3 feet		
Connectivity	RS-232 standard; SNMP/WEB optional; LIFE.net free for 1 year			RS-232 standard; SNMP/WEB optional; LIFE.net free for 1 year			RS-232 standard; SNMP/WEB optional; LIFE.net free for 1 year		
Temperature	32°F to 104°F (0°C to 40°C)			32°F to 104°F (0°C to 40°C)			32°F to 104°F (0°C to 40°C)		
Relative humidity	0 to 95% (non condensing)			0 to 95% (non condensing)			0 to 95% (non condensing)		
Altitude without derating - ft (M) ASL	5000 (1500)			5000 (1500)			5000 (1500)		

Model 24 Runtimes*	12 kVA hr:min	18 kVA hr:min	24 kVA hr:min	Cabinet type	Cabinet net wt lb (kg)	Cabinet ship wt lb (kg)	Cabinet Dimensions in (cm) HxWxD
Pack 100** *	0:17	0:09	0:05	Internal	NA	internal	**
Pack 106**	0:38	0:26	0:18	Internal	NA	internal	**
Pack 107C	0:38	0:26	0:18	1 x A	900 (408)	1100 (500)	56.0x17.8x28.7 (141.2x44.6x72.3)
Pack 108C	1:13	0:44	0:29	1 x A	1050 (476)	1250 (568)	56.0x17.8x28.7 (141.2x44.6x72.3)
Pack 109C	1:27	0:55	0:39	1 x B	1650 (748)	1850 (841)	56.0x33.6x28.7 (141.x84.7x72.3)
Pack 114C	1:45	1:02	0:46	1 x B	1575 (716)	1775 (807)	56.0x33.6x28.7 (141.x84.7x72.3)
Pack 116C	2:03	1:19	0:54	1 x B	2165 (984)	2365 (1075)	56.0x33.6x28.7 (141.x84.7x72.3)
Pack 131C	3:16	1:30+	1:04	1 x B	2100 (953)	2300 (1045)	56.0x33.6x28.7 (141.x84.7x72.3)

* Runtimes are based upon fully charged, new batteries. runtimes are affected by battery age, ambient temperature, site-specific UPS usage patterns, and operating load characteristics. Actual runtimes may vary.

** Internal battery packs are available only on units with 208 V input and 208 Y/120 V output configurations.

* Pack 100 batteries carry a two-year warranty.

Model 36 Runtimes*	24 kVA hr:min	30 kVA hr:min	36 kVA hr:min	Cabinet type	Cabinet net wt lb (kg)	Cabinet ship wt lb (kg)	Cabinet Dimensions in (cm) HxWxD
Pack 129C	0:16	0:10	0:08	1 x A	1100 (499)	1200 (544)	56.0x17.8x28.7 (141.2x44.6x72.3)
Pack 110C	0:33	0:24	0:21	1 x A	1300 (591)	1400 (635)	56.0x17.8x28.7 (141.2x44.6x72.3)
Pack 111C	0:57	0:44	0:35	1 x B	1800 (817)	1900 (862)	56.0x33.6x28.7 (141.x84.7x72.3)
Pack 112C	1:23	1:03	0:53	1 x A + 1 x B	3000 (1361)	3200 (1542)	56.0x51.4x28.7 (141x129.3x72.3)
Pack 120C	1:23	1:03	0:53	1 x C	2950 (1338)	3000 (1361)	70.0x33.0x33.0 (176.4x83.16x83.16)

* Runtimes are based upon fully charged, new batteries. runtimes are affected by battery age, ambient temperature, site-specific UPS usage patterns, and operating load characteristics. Actual runtimes may vary.

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.

This publication is issued to provide outline information only and is not deemed to form any part of any offer and contract.

© 2008 Chloride

Chloride North America
27944 North Bradley Road
Libertyville, IL 60048
USA

T 800 327 8801, 847 816 6000
F 847 680 5124

www.chloridepower.com/usa