

Chloride EDP Series Three-Phase UPS (12 - 3000 kVA): The EDP Series UPS is designed for commercial users who require versatility for today's application and flexibility for tomorrow's growth. Field upgradeable technology allows for easy scalable power and runtime upgrades as well as N+1 distributed or centralized paralleling on your premise.

EDP Series UPS

The Chloride EDP Series UPS features true on-line protection — providing top security, top reliability, and top quality power.

The EDP Series UPS delivers excellent unbalanced load performance with a 3:1 crest factor, including a proven design that more precisely stabilizes both voltage and frequency.

Advanced technology

The EDP series constantly supports the load and protects against the full range of power line disturbances that shorten the service life of critical systems.

State-of-the-art design technology along with sophisticated controls assure a high mean-time-between-failure (MTBF). The EDP Series UPS boasts over 275,000 hours MTBF.

Superior reliability

The EDP Series is easy to install, operate and maintain.

Superior reliability is achieved with the use of an individual rectifier, inverter, static switch and monitoring control circuitry. The Chloride EDP Series can be used to protect any type of critical load and can be custom-configured to meet specific needs.

Automatic battery monitoring

Automatic battery monitoring ensures battery back-up reliability. Monitoring detects an open battery cell or a deteriorated cell. It also communicates preset limit conditions on the LCD front panel display.

Temperature compensated charging eliminates the possibility of thermal runaway.



EDP70Plus (12 - 36 kVA)



EDP70Plus (50 - 80 kVA)



EDP70 L (80 - 250 kVA)



EDP90 (225 - 3000 kVA)

- **Automatic restart:** for fast recovery.
- **Superior microprocessor design:** provides clean sinusoidal output.
- **High efficiency:** means lower operational costs.
- **Scalable power and runtime:** for growth.
- **Advanced battery management technology:** improves battery life by 20%.
- **Internal maintenance bypass:** allows dual feed capability.
- **Fully rated static switch:** for trouble-free switching at full load.
- **Harmonics tolerant:** supports new linear loads directly.
- **Small footprint:** saves space.
- **Optional LIFE™ remote monitoring and preventative maintenance service:** 24/7/365 monitoring by the Chloride Control Center.
- **Optional MopUPS® UPS software:** for safe system shutdown and remote manageability.
- **Full 1-year warranty**

Advanced communications

All EDP Series UPSs are equipped for real-time information transmission and interface to SCADA or building management systems.

ONEAC MopUPS software features complete local monitoring and measurement of all UPS events.



MopUPS Monitors and Measures All UPS Events

The ManageUPS™NET SNMP/Web adapter allows the EDP to reside as a node on your network or as a web page on your Intranet.

Life monitoring and preventive maintenance program links your UPS to our 24/7 control center. The sophisticated chipset allows our diagnostic engineers to examine your UPS to proactively identify a device-specific condition before it becomes a problem. This service can be custom configured to meet end user requirements for reporting, notification and intervention.

Certifications and approvals

The EDP Series UPS is listed under ETL/UL 1778.

A versatile solution for a wide range of applications

The EDP's design provides a versatile power protection solution. With its expandability and upgradeability, the EDP Series UPS is a logical choice for:

- Financial and Banking
- Insurance
- Accounting
- Universities
- Hospitals
- Research Laboratories
- Industrial
- Petro-Chemical
- Pharmaceutical
- Metals
- Machine Tool
- Plastics
- Data Centers
- Communication Services
- ISP's
- Call Centers
- Credit Card Processing Centers
- And more

User-friendly front panel display

The EDP's user-friendly front panel display has over 50 plain language messages in 5 different languages — French, English, German, Spanish and Italian. Ease-of-use features include push-button selectors and arrows to scroll through menus. The mimic panel and operator buttons represent the flow diagram with international electrical symbols for rectifier, battery, inverter, static switch and bypass (reserve) supply. The front panel also features LCD visual status and audible alarms. Audible alarm cancellation and inverter start/stop can be turned on and off separately.

Comprehensive, Multi-lingual Front Panel Display



Batteries

Advanced battery care is at the heart of the EDP design. Battery care features include temperature compensation, ripple current limit, end-of-discharge voltage/time compensation and automatic disconnect (or, for the 70L model, automatic shut-off) of the battery circuit at end-of-discharge (E-O-D). Scheduled automatic battery testing ensures operability and service life.

Battery cabinets specifications

- Cabinet type A dimensions: 17.8" W x 28.7" D x 55.9" H
- Cabinet type B dimensions: 33.6" W x 28.7" D x 55.9" H
- Cabinet type C dimensions: 34.0" W x 33.0" D x 70.0" H
- Cabinet type D dimensions: 40.0" W x 33.0" D x 70.0" H
- Nominal DC voltage is 480 VDC or 288 VDC.
- Battery life is optimized at 25°C (77°F). For every 8°C (15°F) above optimum temperature, battery life is reduced by 50%.

EDP70Plus 12 - 24 kVA: Specifications

Standard features

- Internal Maintenance Bypass
- Dual Input Capability
- K-30 Rated Output Isolation Transformer
- On-Site Capacity Upgradeability
- Redundant Cooling Fans for Increased Reliability
- Casters for Ease of Installation
- Pulse Width Modulated IGBT Inverter
- Temperature Compensated Battery Charger
- Secure Battery Test
- Generator Friendly
- 0.8 Input Power Factor
- EPO Switch and Remote EPO Contacts
- RS232C and AS/400 Communication Ports
- Dual RS232 - via multicom
- Multilingual LCD Display
- On-Site Warranty
- Input and Output Circuit Breakers

Options

- LIFE 24-Hour Monitoring Service
- 10% Input Harmonic Filter (no additional cabinets)
- Power Distribution Modules
- External Maintenance Bypass
- Extended Runtime and Matching Battery Cabinets
- MopUPS UPS Software
- ManageUPSNET SNMP/WEB Adapter
- Remote Alarm Panel
- Spare Parts Kits
- Extended Warranties
- Preventive Maintenance Inspection Packages

EDP70Plus Model 24	Model 24 - 12 kVA			Model 24 - 18 kVA			Model 24 - 24 kVA		
	2 x 2	4 x 2	4 x 4	2 x 2	4 x 2	4 x 4	2 x 2	4 x 2	4 x 4
kVA/kW @ .67 PF	12/8	12/8	12/8	18/12	18/12	18/12	24/16	24/16	24/16
Input Voltage	208Y/120	480	480	208Y/120	480	480	208Y/120	480	480
Output Voltage	208Y/120	208Y/120	480Y/277	208Y/120	208Y/120	480Y/277	208Y/120	208Y/120	480Y/277
Frequency	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
Nominal Input Current	37	16	16	57	25	25	76	33	33
Maximum Input Current	42	19	19	60	26	26	78	34	34
Nominal Output Current	33	33	14	50	50	22	67	67	29
System Efficiency 100%	88	87	86	88	87	86	88	87	86
Full Load Heat Rejection (BTU/hr)	3750	4150	4550	5460	6200	6600	6800	7500	8200
Height - In. (cm)	56 (142)	56 (142)	56 (142)	56 (142)	56 (142)	56 (142)	56 (142)	56 (142)	56 (142)
Width - In. (cm)	27.5 (70)	27.5 (70)	27.5 (70)	27.5 (70)	27.5 (70)	27.5 (70)	27.5 (70)	27.5 (70)	27.5 (70)
Depth - In. (cm)	28.7 (70)	28.7 (70)	28.7 (70)	28.7 (70)	28.7 (70)	28.7 (70)	28.7 (70)	28.7 (70)	28.7 (70)
Weight lbs (kg)	900 (408)	1200 (544)	1400 (635)	900 (408)	1200 (544)	1400 (635)	900 (408)	1200 (544)	1400 (635)

BATTERY Pack	CABINET Type	EDP70PLUS MODEL 24 RUNTIMES IN MINUTES*			BATTERY WEIGHT lbs (kg)	BATTERY PACK WIDTH Inches (cm)
		12 kVA	18 kVA	24 kVA		
106**	Internal	41	22	14	660 (299)	0**
107	1 x A	41	22	14	900 (408)	17.8 (45)
108	1 x A	64	41	26	1,050 (476)	17.8 (45)
109	1 x B	92	56	41	1,650 (748)	33.6 (85)
131	1 x B	196	91+	64	2,100 (953)	33.6 (85)

* Runtimes based on ambient temperature of 77°F (25°C, 1.67 final volts/cell). Maximum cable length between battery cabinet and UPS should not exceed 30 feet. Additional runtimes available, consult factory.

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

NOTE: All runtimes are approximate and based on 1.67 final volts/cell, 77°F, and 0.8 power factor at end of discharge, unless otherwise noted. Actual runtimes may vary.

EDP70Plus 24 - 80 kVA: Specifications

Standard features

- Internal Maintenance Bypass
- Dual Input
- K-30 Rated Output Isolation Transformer
- On-Site Capacity Upgradeability
- Redundant Cooling Fans for Increased Reliability
- Casters for Ease of Installation
- Pulse Width Modulated IGBT Inverter
- Temperature Compensated Battery Charger
- Secure Battery Test
- Generator Friendly
- 0.8 Input Power Factor
- EPO Switch and Remote EPO Contacts
- RS232C and AS/400 Communication Ports
- Multilingual LCD Display
- On-Site Warranty
- Dual RS232 - via multicom
- Input and Output Circuit Breakers

EDP70Plus Model 36	Model 36 - 24 kVA			Model 36 - 30 kVA			Model 36 - 36 kVA		
	2 x 2	4 x 2	4 x 4	2 x 2	4 x 2	4 x 4	2 x 2	4 x 2	4 x 4
kVA/kW @ .67 PF	24/18	24/18	24/18	30/20	30/20	30/20	36/24	36/24	36/24
Input Voltage	208Y/120	480	480Y/277	208Y/120	480	480Y/277	208Y/120	480	480Y/277
Output Voltage	208Y/120	208Y/120	480Y/277	208Y/120	208Y/120	480Y/277	208Y/120	208Y/120	480Y/277
Frequency	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
Nominal Input Current	75	33	33	93	40	40	112	49	49
Maximum Input Current	78	34	34	97	42	42	118	51	51
Nominal Output Current	67	67	29	83	83	36	100	100	43
System Efficiency 100%	89	89	89	89	89	89	89	89	89
Full Load Heat Rejection (BTU/hr)	7700	7700	7700	9500	9500	9500	11300	11300	11300
Height - in (cm)	56 (142)	56 (142)	56 (142)	56 (142)	56 (142)	56 (142)	56 (142)	56 (142)	56 (142)
Width - in (cm)	27.5 (70)	27.5 (70)	27.5 (70)	27.5 (70)	27.5 (70)	27.5 (70)	27.5 (70)	27.5 (70)	27.5 (70)
Depth - in (cm)	28.7 (70)	28.7 (70)	28.7 (70)	28.7 (70)	28.7 (70)	28.7 (70)	28.7 (70)	28.7 (70)	28.7 (70)
Weight - lbs (kg)	1300 (590)	1300 (590)	1300 (590)	1300 (590)	1300 (590)	1300 (590)	1300 (590)	1300 (590)	1300 (590)

BATTERY Pack	CABINET Type	EDP70PLUS MODEL 36 RUNTIMES*			EDP70PLUS MODEL 50 RUNTIMES*		
		24 kVA	30 kVA	36 kVA	30 kVA	40 kVA	50 kVA
129	1 x A	15 min.	9 min.	6 min.	—	—	—
110	1 x A	30 min.	22 min.	17 min.	—	—	—
111	1 x B	46 min.	38 min.	29 min.	—	—	—
112	1 x A & 1 x B	86 min.	62 min.	54 min.	—	—	—
120	1 x C	86 min.	62 min.	54 min.	—	—	—
401	1 x E	—	—	—	17 min.	11 min.	8 min.
402	1 x F	—	—	—	29 min.	19 min.	15 min.
403	1E & 1F	—	—	—	54 min.	37 min.	26 min.
404	C	—	—	—	54 min.	37 min.	26 min.
405	1E & 1F	—	—	—	65 min.	48 min.	34 min.
406	D	—	—	—	81 min.	56 min.	45 min.
407	2C	—	—	—	135 min.	86 min.	65 min.
408	2C	—	—	—	NA	116 min.	92 min.

* Not line-up and match cabinets.

* Additional runtimes available, consult factory.

NOTE: Battery life is optimized at 25°C (77°F). For every 8°C (15°F) above optimum temperature, battery life is reduced by 50%. All runtimes are approximate and are based on 1.67 final volts/cell (final volt per cell). NOTE: Nominal DC voltage is 480 VDC (240 cells/cabinets).

Options

- 10% Input Harmonic Filter (no additional cabinets)
- Power Distribution Modules
- LIFE 24-Hour Monitoring Service
- External Maintenance Bypass
- Extended Runtime and Matching Battery Cabinets
- Mopups UPS Software
- ManageUPSNET SNMP/WEB Adapter
- Remote Alarm Panel
- Spare Parts Kits
- Extended Warranties
- Preventive Maintenance Inspection Packages

EDP70Plus Model 50	Model 50 - 30 kVA			Model 50 - 40 kVA			Model 50 - 50 kVA		
	2 x 2	4 x 2	4 x 4	2 x 2	4 x 2	4 x 4	2 x 2	4 x 2	4 x 4
kVA/kW @ .8 PF	30/24	30/24	30/24	40/32	40/32	40/32	50/40	50/40	50/40
Input Voltage	208	480	480	208	480	480	208	480	480
Output Voltage	208Y/120	208Y/120	480Y/277	208Y/120	208Y/120	480Y/277	208Y/120	208Y/120	480Y/277
Frequency	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
Nominal Input Current	115	50	50	127	55	55	157	68	68
Maximum Input Current	132	57	57	152	66	66	192	83	83
Nominal Output Current	83	83	36	111	111	48	138	138	60
System Efficiency 100%	87	88	88	87	88	88	87	88	88
Full Load Heat Rejection (BTU/hr)	10600	10100	10100	12800	12100	12100	15200	14300	14300
Height - in (cm)	63 (160)	63 (160)	63 (160)	63 (160)	63 (160)	63 (160)	63 (160)	63 (160)	63 (160)
Width - in (cm)	35.4 (90)	35.4 (90)	35.4 (90)	35.4 (90)	35.4 (90)	35.4 (90)	35.4 (90)	35.4 (90)	35.4 (90)
Depth - in (cm)	28.7 (73)	28.7 (73)	28.7 (73)	28.7 (73)	28.7 (73)	28.7 (73)	28.7 (73)	28.7 (73)	28.7 (73)
Weight - lbs (kg)	1650 (748)	1350 (612)	1350 (612)	1650 (748)	1350 (612)	1350 (612)	1650 (748)	1350 (612)	1350 (612)

EDP70Plus Model 80	Model 80 - 50 kVA			Model 80 - 65 kVA			Model 80 80 kVA		
	2 x 2	4 x 2	4 x 4	2 x 2	4 x 2	4 x 4	2 x 2	4 x 2	4 x 4
kVA/kW @ .8 PF	50/40	50/40	50/40	65/52	65/52	65/52	80/64	80/64	80/64
Input Voltage	208	480	480	208	480	480	208	480	480
Output Voltage	208Y/120	208Y/120	480Y/277	208Y/120	208Y/120	480Y/277	208Y/120	208Y/120	480Y/277
Frequency	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
Nominal Input Current	157	68	68	208	90	90	258	112	112
Maximum Input Current	192	83	83	254	110	110	311	135	135
Nominal Output Current	139	139	60	180	180	78	222	222	96
System Efficiency 100%	86	88	88	86	88	88	86	88	88
Full Load Heat Rejection (BTU/hr)	15200	14300	14300	19400	18600	18600	23000	22100	22100
Height - in (cm)	63 (160)	63 (160)	63 (160)	63 (160)	63 (160)	63 (160)	63 (160)	63 (160)	63 (160)
Width - in (cm)	35.4 (90)	35.4 (90)	35.4 (90)	35.4 (90)	35.4 (90)	35.4 (90)	35.4 (90)	35.4 (90)	35.4 (90)
Depth - in (cm)	28.7 (73)	28.7 (73)	28.7 (73)	28.7 (73)	28.7 (73)	28.7 (73)	28.7 (73)	28.7 (73)	28.7 (73)
Weight - lbs (kg)	2050 (930)	1800 (816)	1800 (816)	2050 (930)	1800 (816)	1800 (816)	2050 (930)	1800 (816)	1800 (816)

EDP70PLUS MODEL 80 RUNTIMES*			BATTERY WEIGHT lbs (kg)	BATTERY PACK WIDTH Inches (cm)
50 kVA	65 kVA	80 kVA		

—	—	—	1,100 (499)	17.8 (45)
—	—	—	1,300 (590)	17.8 (45)
—	—	—	1,800 (816)	33.5 (85)
—	—	—	3,000 (1361)	51.3 (130)
—	—	—	2,950 (1338)	34 (86)+
8 min.	4 min.	NA	1,330 (603)	17.8 (45)
15 min.	9 min.	6 min.	1,860 (844)	33.5 (85)+
24 min.	17 min.	13 min.	3,090 (1402)	51.3 (130)+
24 min.	17 min.	13 min.	2,950 (1338)	34 (86)+
33 min.	23 min.	17 min.	3,540 (1606)	51.3 (130)+
43 min.	29 min.	22 min.	3,900 (1769)	40 (101)
63 min.	48 min.	37 min.	5,900 (2676)	68 (173)
79 min.	56 min.	48 min.	6800 (3084)	68 (173)

cell), 77°F, and 0.8 power factor at end of discharge, unless otherwise noted. Actual runtimes may vary. Runtimes over 60 minutes are based on 1.75 final volts/cell.

EDP70L 80 - 250 kVA: Specifications

Standard features

- Internal Maintenance Bypass
- Dual Input
- K-30 Rated Output Isolation Transformer
- On-Site Capacity Upgradeability
- Redundant Cooling Fans for Increased Reliability
- Pulse Width Modulated Inverter
- Temperature Compensated Battery Charger
- Secure Battery Test
- Generator Friendly
- 0.8 Input Power Factor
- EPO Switch and Remote EPO Contacts
- RS232C and AS/400 Communication Ports
- Multilingual LCD Display
- On-Site Warranty

EDP70L	EDP70L MODEL 100 - 80 kVA			EDP70L MODEL 100 - 100kVA			EDP70L MODEL 150 - 125 kVA		
	2-2	4-2	4-4	2-2	4-2	4-4	2-2	4-2	4-4
kVA/kW at 0.8 PF Lag	80/64	80/64	80/64	100/80	100/80	100/80	125/100	125/100	125/100
Field Upgradeable to kVA/kW at 0.8 PF	100/80	100/80	100/80	—			150/120	150/120	150/120
Input Voltage (VAC)*	208Y/120	480Y/277	480Y/277	208Y/120	480Y/277	480Y/277	208Y/120	480Y/277	480Y/277
Output Voltage (VAC)*	208Y/120	208Y/120	480Y/277	208Y/120	208Y/120	480Y/277	208Y/120	208Y/120	480Y/277
Frequency (Hz)	60	60	60	60	60	60	60	60	60
Nominal Input Current (amps)	237	102	101	296	128	127	368	164	158
Maximum Input Current (amps)	296	129	127	370	164	162	460	205	203
Nominal Output Current (amps)	222	222	96	276	276	120	347	347	150
10 Min. Overload Current (amps)	276	276	120	347	347	150	434	434	188
System Efficiency at 100% Load (%)	90	91	92.5	90.5	91.5	92.5	90	91.5	92.5
at 75% Load (%)	90	91	92	90.5	91.5	92.5	90	91.5	92.5
at 50% Load (%)	89.5	90	91	89.5	90.5	91.5	89	90.5	91.5
Full Load Heat Rejection (BTUs/Hr.)	24,200	21,600	17,700	28,700	25,400	22,100	37,900	31,700	27,700
Height - in (cm)	70 (178)	70 (178)	70 (178)	70 (178)	70 (178)	70 (178)	70 (178)	70 (178)	70 (178)
Width - in (cm)	56 (142)	32 (81)	32 (81)	56 (142)	32 (81)	32 (81)	64 (163)	40 (102)	40 (102)
Depth - in (cm)	33 (84)	33 (84)	33 (84)	33 (84)	33 (84)	33 (84)	33 (84)	33 (84)	33 (84)
Weight - lbs (kg)	2,600 (1179)	2,100 (952)	1,650 (748)	2,600 (1179)	2,100 (952)	1,650 (748)	3,700 (1,678)	2,900 (1315)	2,300 (1,043)
Operating 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 (noncondensing)	0 to 95%			0 to 95%			0 to 95%		
Altitude without derating -ft (m)	4500 (1500)			4500 (1500)			4500 (1500)		

* 600 VAC input and output available. Other frequencies, voltages and wiring configurations available.

BATTERY CABINET EDP70L		RUNTIMES*		RUNTIMES*	
		80 kVA	100 kVA	125 kVA	150 kVA
120	1 x C	13 min.	9 min.	5 min.	—
121	1 x C	17 min.	13 min.	7 min.	5 min.
122	1 x D	21 min.	14 min.	10 min.	6 min.
132 +	CR4/BC5	28 min.	21 min.	15 min.	11 min.
123	2 x C	38 min.	26 min.	18 min.	13 min.
115	2 x C	41 min.	34 min.	24 min.	18 min.
125	2 x D	55 min.	44 min.	28 min.	23 min.
126	3 x C	58 min.	42 min.	34 min.	25 min.
133 +	2 x CR4/BC5	72 min.	55 min.	43 min.	31 min.
127	3 x C	75 min.	56 min.	44 min.	34 min.
128	3 x D	87 min.	69 min.	52 min.	43 min.

+ Not line-up and match cabinets.

* Additional runtimes available, consult factory.

NOTE: Battery life is optimized at 77°C (25°C). For every 15°F (8°C) above optimum temperature battery life is reduced by 50%. All runtimes are approximate and based on 1.67 final volts per cell (final volts/cell).

NOTE: Nominal DC voltage is 480 VDC (240 cells/cabinet)

Options

- LIFE 24-Hour Monitoring Service
- Power Distribution Modules
- External Maintenance Bypass
- Extended Runtime and Matching Battery Cabinets
- MopUPS UPS Software
- ManageUPSNET SNMP/WEB Adapter
- Deal RS232 via Multicomm
- Remote Alarm Panel
- Spare Parts Kits
- Extended Warranties
- Preventive Maintenance Inspection Packages
- UPS Monitoring Software
- 7% Input Harmonic Filter

EDP70L MODEL 150 - 150 kVA			EDP70L MODEL 250 - 200 kVA			EDP70L MODEL 250 - 225 kVA			EDP70L MODEL 250 - 250 kVA		
2-2	4-2	4-4	2-2	4-2	4-4	2-2	4-2	4-4	2-2	4-2	4-4
150/120	150/120	150/120	200/160	200/160	200/160	225/180	225/180	225/180	250/200	250/200	250/200
—			225/180 or 250/200			250/200			—		
208Y/120	480Y/277	480Y/277	208Y/120	480Y/277	480Y/277	208Y/120	480Y/277	480Y/277	208Y/120	480Y/277	480Y/277
208Y/120	208Y/120	480Y/277	208Y/120	208Y/120	480Y/277	208Y/120	208Y/120	480Y/277	208Y/120	208Y/120	480Y/277
60	60	60	60	60	60	60	60	60	60	60	60
442	190	189	589	254	252	662	285	284	736	317	315
553	247	244	736	329	326	828	372	367	920	411	408
416	416	180	555	555	241	625	625	271	694	694	301
520	520	226	694	694	301	780	780	338	867	867	376
91	92	93	91	92	93	91	92	93	91.5	92.5	93.5
91	92	93	90	91	92	90.5	91.5	92.5	91	92	93
90	91	92	89.5	90.5	91.5	89.5	90.5	92	90	91	92
40,500	35,600	30,800	54,000	47,500	41,000	60,700	53,400	46,200	63,400	55,300	47,500
70 (178)	70 (178)	70 (178)	70 (178)	70 (178)	70 (178)	70 (178)	70 (178)	70 (178)	70 (178)	70 (178)	70 (178)
64 (163)	40 (102)	40 (102)	104 (264)	80 (203)	56 (142)	104 (264)	80 (203)	56 (142)	104 (264)	80 (203)	56 (142)
33 (84)	33 (84)	33 (84)	33 (84)	33 (84)	33 (84)	33 (84)	33 (84)	33 (84)	33 (84)	33 (84)	33 (84)
3,700 (1678)	2,900 (1315)	2,300 (1,043)	4,500 (2041)	3,700 (1678)	2,900 (1315)	4,500 (2041)	3,700 (1678)	2,900 (1315)	4,500 (2041)	3,700 (1678)	2,900 (1315)
+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)			+18°F to +104°F (-8°C to +40°C)		
0 to 95%			0 to 95%			0 to 95%			0 to 95%		
4500 (1500)			4500 (1500)			4500 (1500)			4500 (1500)		

	200 kVA	RUNTIMES* 225 kVA	250 kVA	BATTERY WEIGHT	BATTERY PACK WIDTH
	—	—	—	2,950 (1338)	34 (86)
	—	—	—	3,450 (1565)	34 (86)
	3 min.	2.5 min.	—	3,900 (1769)	40 (101)
	6 min.	4 min.	3 min.	4,800 (2177)	42 (107) +
	9 min.	7 min.	5 min.	5,900 (2676)	68 (173)
	12 min.	9 min.	7 min.	6,450 (2926)	68 (173)
	14 min.	12 min.	10 min.	7,750 (3515)	80 (203)
	16 min.	13 min.	11 min.	8,850 (4014)	102 (259)
	21 min.	18 min.	15 min.	9,360 (4246)	84 (213)+
	22 min.	18 min.	15 min.	11,000 (4990)	102 (259)
	27 min.	23 min.	18 min.	11,600 (5262)	120 (305)

), 77°F, and 0.8 power factor at end of discharge. Actual runtimes may vary. Runtimes over 60 minutes are based on 1.75 final volts/cell.

EDP90 225 - 3000* kVA: Specifications

Standard features

- Input Harmonic distortion <10%
- Parallel capable for redundancy or capacity (6 module)
- On-site capacity upgradeability
- Internal Maintenance Bypass
- K-20 Rated Output Isolation Transformer
- Redundant Cooling Fans for Increased Reliability
- Pulse Width Modulated Inverter
- 12 Pulse Rectifier
- Temperature Compensated Battery Charger
- Secure Battery Test
- Generator Friendly
- Top/Bottom cable entry
- EPO Switch and Remote EPO Contacts
- RS232C and AS/400 Communication Ports
- Multilingual LCD Display
- On-Site Warranty
- Dual RS232

Options

- Power distribution modules
- External Maintenance Bypass
- Extended Runtime and Matching Battery Cabinets
- MopUPS Network Shutdown Software
- ManageUPSNET SNMP/WEB Adapter
- Remote Alarm Panel
- Spare Parts Kits and Extended Warranties
- LIFE 24-Hour Monitoring and Preventative Maintenance Service

	EDP90/300			EDP90/400			EDP90/500		
kVA/kW at 0.8 PF Lag	225/180	250/200	300/240	300/240	350/280	400/320	400/320	450/360	500/400
Field Upgradeable to kVA at 0.8 PF	250 or 300	300	---	350 or 400	400	---	450 or 500	500	---
Input Voltage (VAC) ¹	480			480			480		
Bypass Voltage (VAC) ^{1,2}	480Y/277			480Y/277			480Y/277		
Output Voltage (VAC) ^{1,2}	480Y/277			480Y/277			480Y/277		
Frequency (Hz)	60			60			60		
System Efficiency at 100% Load (%)	92	92	92	92	92	92	92	92	92
at 75% Load (%)	91	92	92	90	92	92	90	92	92
at 50% Load (%)	88	91	91	87	91	92	87	91	92
Nominal Input Current (amps, at 0.82 PF)	287	319	383	383	446	510	510	574	638
Maximum Input Current (amps)	359	399	478	478	558	638	638	717	797
Nominal Output & Bypass Current (amps)	271	301	361	361	421	481	481	541	601
10 Min. Overload Current (amps)	339	376	451	451	526	601	601	676	751
Full Load Heat Rejection (BTUs/hr.)	53,405	59,339	71,207	71,207	83,075	94,943	94,943	106,810	118,678
Height - inches (cm)	70 (178)			70 (178)			70 (178)		
Width - inches (cm)	96 (244)			96 (244)			127 (315)		
Depth - inches (cm)	33 (84)			33 (84)			33 (84)		
Total Weight - lbs. (kg)	4,500 (2041)			5,410 (2454)			6,685 (3032)		
Maximum Acoustical Noise Level at 3' (1 m) (500 kVA)	75 dBA			75 dBA			75 dBA		
Operating 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(noncondensing)	0 to 95%			0 to 95%			0 to 95%		
Operational Altitude without derating	3,300 (1,000)			3,300 (1,000)			3,300 (1,000)		

* Models up to 500 kVA are shown. Up to 3000 kVA are available by paralleling up to 6 modules.

¹ Other frequencies, voltages and wiring configurations available. Consult factory for specifics.

² System capable of 3-wire in/out operation (no neutral).

BATTERY CABINET PACK	TYPE	225 kVA	250 kVA	300 kVA	350 kVA	400 kVA	450 kVA	500kVA	BATTERY WEIGHT lbs (kg)	BATTERY PACK WIDTH In (cm)
RUNTIMES IN MINUTES**										
123	2 x C	7 min.	5 min.	---	---	---	---	---	5,900 (2676)	68 (173)
124	2 x C	10 min.	8 min.	5 min.	---	---	---	---	6,800 (3084)	68 (173)
125	2 x D	13 min.	11 min.	8 min.	5 min.	---	---	---	7,750 (3515)	80 (203)
126	3 x C	14 min.	12 min.	9 min.	6 min.	---	---	---	8,850 (4014)	102 (259)
133 ⁺	2 x CR4/BC5	18 min.	15 min.	11 min.	9 min.	5 min.	---	---	9,360 (4246)	84 (213) ⁺
127	3 x C	19 min.	16 min.	13 min.	9 min.	7 min.	5 min.	---	11,050 (5012)	96.75 (246)
128	3 x D	24 min.	20 min.	16 min.	13 min.	10 min.	8 min.	6 min.	11,500 (5216)	136 (345)
134	4 x C	23 min.	19 min.	14 min.	12 min.	9 min.	7 min.	5 min.	11,800 (5352)	136 (345)
135	4 x C	29 min.	25 min.	19 min.	15 min.	13 min.	10 min.	8 min.	13,600 (6169)	129 (328)
136 ⁺	3 x CR4/BC5	35 min.	30 min.	22 min.	17 min.	14 min.	12 min.	9 min.	14,040 (6368)	126 (320) ⁺
137	4 x D	35 min.	31 min.	24 min.	19 min.	16 min.	13 min.	11 min.	15,500 (7031)	160 (406)
138 ⁺	4 x CR4/BC5	52 min.	40 min.	31 min.	26 min.	21 min.	18 min.	15 min.	18,720 (8491)	168 (427) ⁺

⁺ Not line-up and match cabinets

** Additional runtimes available, consult factory. Wet cell information and pricing available upon request.

NOTE: All runtimes are approximate and based on 1.67 final volts per cell (EOD).

NOTE: Nominal DC voltage is 480 VDC (240 cells/cabinet)

NOTE: Battery life is optimized at 77°F (25°C). For every 15°F (8°C) above optimum temperature, battery life is reduced by 50%.

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(800) 327 8801 OPT. 2 in USA AND CANADA

27944 N. Bradley Road, Libertyville, IL 60048 Phone 847 816-6000 FAX 847 680-5124

+44 (0) 2380 610311 in UK AND EUROPE

George Curl Way, Southampton, Hampshire SO18 2RY, UK FAX +44 0 2380 612039