



# COBRA 3

## SPECIFICATIONS

The Cobra 3 maintains efficient AC Emergency Power to operate all emergency lighting fixtures at "full-light" output after the transfer is complete, providing superior dependability and security to commercial/industrial environments in a small footprint.

### POWER RATING

- 3 KW - 125 KW (or 3,000 Watts - 125,000 Watts) three phase output unit uses the latest DSP/PWM technology to provide the most advanced performance and reliability features

### INPUT

- 208Y/120, 480Y/277, 208 or 480VAC input 60Hz

### OUTPUT

- 208Y/120 or 480Y/277VAC
- Stand-by design is  $\geq 99\%$  efficient at 100% linear load

### BATTERIES

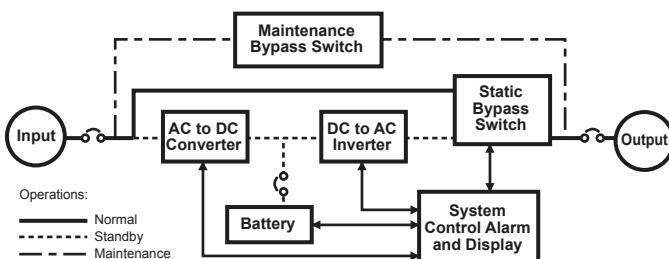
- Sealed, maintenance-free, lead calcium (AGM) batteries
- 10-Year prorated warranty
- *DSP/PWM Smart Battery Monitoring System* is **TEMPERATURE COMPENSATED** maintaining maximum runtime and battery life
- Microprocessor controlled recharge and DSP/PWM overcharge protection standard

### LAMPS AND LOADS

- Emergency power provides **FULL LIGHT OUTPUT** from all lamps and fixtures for the entire runtime
- Operates fluorescent, compact fluorescent, incandescent, quartz, LED and other lamp types
- Standard or electronic ballasts, dimming devices or panels, sensors and most control equipment
- Standard or LED Exits and other safety equipment

### CODES

- UL 924, UL 1778, meets NFPA 101, NFPA 70, NEC and OSHA standards
- Cities of Chicago and New York approved
- Complies with the Buy American Act



Catalog Number	
Project	Notes
Signature	Date

## 3 KW - 125 KW

### Three Phase

### Stand-By Emergency Lighting and Power Systems



### PROTECTION

- Provides overload, surge and undervoltage protection using DSP/PWM technology and Envoy *Watchdog Software* to protect system performance and reliability
- Transfer in 16msec - 60msec

### DIAGNOSTICS AND MAINTENANCE

- DSP/PWM technology and Envoy *Watchdog Software* provides complete self diagnostic capabilities and LED Monitoring
- Informative advanced Display and Alarms keep you in control of your emergency lighting environment 24/7
- Automatically performs periodic self-tests ensuring a safely lighted environment *prior* to an emergency
- Single point of testing instead of multiple testing points with battery packs

### CABINET

- Modular design enables flexible installation
- Forced air cooling for maximum reliability
- All systems are self contained and require external battery cabinet(s)

### INSTALLATION

- Modular design and small footprint allow easy installation in electrical closet or other convenient locations
- Phone assisted factory start-up standard for all systems
- Extended warranty available

### SPECIAL APPLICATIONS

- Envoy offers numerous UL924 optional devices to meet unusual or difficult application parameters
- ECM - Environmental Circuit Module allows fixtures and lamps on the emergency circuit(s) to be operated by normal switching and/or dimming devices in NON-emergency conditions
- Dimming Panel Interface allows use with emergency lights controlled by common dimmer panel

### WARRANTY

- 1-Year full warranty on system electronics
- Battery warranty 1-year with 9-years pro-rated
- System 1-year on-site warranty labor with Envoy phone assisted start-up
- 5-Year powertrain warranty
- Maintenance contracts available

# COBRA 3



Cobra 3 Series	Power Rating	UPS			Battery			Weight (combined)	British Thermal Unit	Battery Type	Voltage (VAC)		Output Protection	Safety Approvals
		Cabinet Dimensions			Cabinet Dimensions									
CO3	KVA/KW	W	H	D	No.	W	H	D	(lbs)	BTU's	Sealed, Maintenance free (AGM) lead calcium	Input	Output	UL924 UL1778 NFPA 101 NFPA 70 NEC
	3	42"	71"	22.5"		not required			980	102				
	4.5	42"	71"	22.5"		not required			1100	153				
	6	42"	71"	22.5"		not required			1350	204				
	8	42"	71"	22.5"	1	42"	71"	22.5"	1700	272				
	10	42"	71"	22.5"	1	42"	71"	22.5"	2250	340				
	12	42"	71"	22.5"	1	42"	71"	22.5"	2700	408				
	16	42"	71"	22.5"	1	42"	71"	22.5"	2950	544				
	20	42"	71"	22.5"	2	42"	71"	22.5"	3800	680				
	24	42"	71"	22.5"	2	42"	71"	22.5"	4350	816				
	30	42"	71"	22.5"	2	42"	71"	22.5"	5150	1020				
	40	42"	71"	22.5"	3	42"	71"	22.5"	6790	1360				
	50	42"	71"	22.5"	3	42"	71"	22.5"	8384	1700				
	60	50"	71"	32"		Consult Factory			2040					
	80	50"	71"	32"		Consult Factory			2720					
	100	50"	71"	32"		Consult Factory			3400					
	125	50"	71"	32"		Consult Factory			4250					

The **Cobra 3** provides the simplicity and reliability that is critical when providing an alternative source of power to any environment. Easy installation ... "simplicity" ... connect the CO3 to the emergency circuit(s) and everything is backed up... "reliability" ... during a power outage. All lighting connected to the CO3 will simply continue to operate at **"full light output"** once transfer is complete. Envoy Watchdog© software keeps your environment safe while self-diagnostics help maintain equipment to a high standard. Superior surge suppression assures the highest quality of power being delivered to all loads, all the time.

We sincerely hope you never experience a real emergency, but if you do, you deserve the **security, safety and peace of mind** that the **Cobra 3** from **Envoy** ensures.

## ORDERING INFORMATION

Choose the bold face catalog nomenclature that best suites your needs.

Write them on the appropriate line. Order accessories as separate catalog number.

Example:

**CO3 - 12.0 - 208Y/120 208Y/120- EMB OCB/120/3/20/1 - 240**

Description of example:

(12.0 KW, 208Y/120 Voltage In, 208Y/120 Voltage Out, External Maintenance Bypass Switch, 3 Output 120 Voltage Circuit Breakers at 20amps, 2 pole, 240 minute run time)

CO3				
FAMILY	POWER RATING	VOLTAGE <sup>1</sup>	OPTIONS	TIME <sup>3</sup>
	KW	Input - Output	ECM120 - 120V Environmental control module <sup>2/qty</sup>	Minutes
3.0	208Y/120 - 208Y/120	ECM277 - 277V Environmental control module <sup>2/qty</sup>	5	
4.5	208Y/120 - 480Y/277	NOF - Normally OFF output circuit/voltage /qty/pole	10	
6.0	480Y/277 - 208Y/120	NOH - Normally OFF "Hold ON"/voltage /qty/pole	15	
8.0	480Y/277 - 480Y/277	OCB - Output circuit breakers/voltage /quantity/amps/pole	20	
10.0	208 - 208Y/120	EPO - Emergency power off	25	
12.0	208 - 480Y/277	RSSP - Remote Indicator Panel	30	
16.0	480 - 208Y/120	SNMP - SNMP Card	45	
20.0	480 - 480Y/277	FC - Form C Contacts	60	
24.0		SRB - Seismic rated bracket	90 (Standard)	
30.0		STU3 - Onsite start-up	120	
40.0		IDB - Internal dimmer bypass	180	
60.0		EMB - External maintenance bypass switch	240	
80.0		EW - Extended warranty		
100.0		FT - Fast transfer		
125.0				

### NOTES:

1-Consult factory for other voltage requirements. Special voltages may effect the weight, size and number or cabinets.

2-One ECM is used per switching device or circuit.

3-Consult factory for other run times.

Specifications subject to change without notice.

