



America's Leader in Life-Safety Lighting Products



SPECIFICATIONS

The Cobra 1 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

- 4.7 KW - 21 KW (or 4,700 Watts - 21,000 Watts) single phase output unit uses the latest DSP/PWM technology to provide the most advanced performance and reliability features

INPUT

- 120V, 208V, 240V, 277V or 480V input 60Hz

OUTPUT

- 120V, 240V, 277V, 480V, 120/240 or 120/277VAC
Stand-by design is ≥99% efficient at 100% linear load

BATTERIES

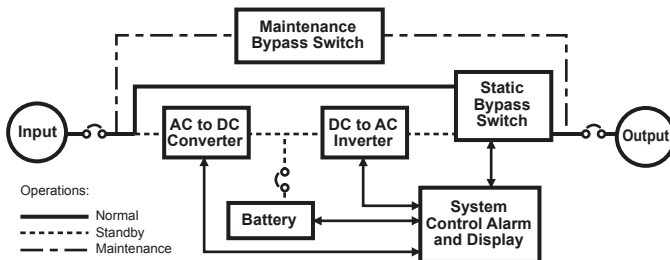
- Sealed, maintenance-free, lead calcium (AGM) batteries
- 10-Year prorated warranty
- DSP/PWM Smart Battery Monitoring System is **TEMPERATURE COMPENSATED** maintaining maximum runtime and battery life
- Microprocessor controlled recharge and DSP/PWM overcharge protection standard

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



083-0010-02 Rev. B

Catalog Number	
Project	Notes
Signature	Date

4.7 KW - 21 KW

Single Phase

Stand-By Emergency Lighting and Power Systems



PROTECTION

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

DIAGNOSTICS AND MAINTENANCE

- DSP/PWM technology and Emergensee *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
- Systems up to 14 KW are self contained; larger systems 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

- Emergensee 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 Emergensee phone assisted start-up
- 5-Year powertrain warranty
- Maintenance contracts available

COBRA 1



Cobra 1 Series	Power Rating	UPS			Battery			Weight (combined)	British Thermal Unit	Battery Type	Voltage (VAC)		Output Protection	Safety Approvals
		Cabinet Dimensions			Cabinet Dimensions						Input	Output		
CO1	KVA/KW	W	H	D	W	H	D	(lbs)	BTU's	Sealed, Maintenance free (AGM) lead calcium	<i>Select</i>	<i>Select</i>	Input and output circuit breakers standard	UL924 UL1778 NFPA 101 NFPA 70 NEC
	4.7	42"	71"	22.5"	not required			1200	159.8					
	5.25	42"	71"	22.5"	not required			1200	178.5					
	7.0	42"	71"	22.5"	not required			1450	238		120,	120,		
	8.0	42"	71"	22.5"	not required			1450	272		208,	277,		
	10.0	42"	71"	22.5"	not required			1820	340		240,	480,		
	12.0	42"	71"	22.5"	not required			2210	408		277	120/240		
	14.0	42"	71"	22.5"	not required			2550	476		or	or		
	18.0	42"	71"	22.5"	42"	71"	22.5"	3750	612		480	120/277		
21.0	42"	71"	22.5"	42"	71"	22.5"	4375	714						

The Cobra 1 provides the simplicity and reliability that is critical when providing an alternative source of power to any environment. Easy installation ..."simplicity"...connect the CO1 to the emergency circuit(s) and everything is backed up..."reliability"...during a power outage. All lighting connected to the CO1 will simply continue to operate at "full light output" once the transfer is complete. Emergensee 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 1 from **Emergensee** 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:

CO1 - 8.0 - 120/277 - ECM277/3 OCB/277/3/20/1

Description of example:

(8.0 KW, 120 Voltage In, 277 Voltage Out, 3 277V Environmental Control Modules, 3 Output 277 Voltage Circuit Breakers at 20amps, 2 pole)

CO1		POWER RATING		VOLTAGE ¹		OPTIONS		TIME ³
FAMILY		KW		Input/Output	Input/Output			Minutes
		4.7		120/120	240/120-240	ECM120 - 120V Environmental control module ² /qty		5
		5.25		120/277	240/120-277	ECM277 - 277V Environmental control module ² /qty		10
		7.0		120/480	277/120	NOF - Normally OFF output circuit/voltage / qty/pole		15
		8.0		120/120-240	277/277	NOH - Normally OFF "Hold ON"/voltage/qty/pole		20
		10.0		120/120-277	277/480	OCB - Output circuit breakers / voltage / quantity/amps/pole		25
		12.0		208/120	277/120-240	EPO - Emergency power off		30
		14.0		208/277	277/120-277	RSSP - Remote Indicator Panel		35
		18.0		208/480	480/120	SNMP - SNMP Card		40
		21.0		208/120-240	480/277	FC - Form C Contacts		60
				208/120-277	480/480	SRB - Seismic rated bracket		90 (Standard)
				240/120	480/120-240	STU1 - Onsite start-up		120
				240/277	480/120-277	IDB - Internal dimmer bypass		180
				240/480		EMB - External maintenance bypass switch		180
						EW - Extended warranty		240
						FT - Fast transfer		

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.



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