



# COBRA 1

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## 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.

## DIAGNOSTICS AND MAINTENANCE

- DSP/PWM technology and DSPM 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

## PROTECTION

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

## INPUT

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

## OUTPUT

- 120V, 240V, 277V, 480V, 120/240 or 120/277VAC
- 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



15 kVA - 125 kVA

Three Phase

Outdoor

Uninterrupted

Power

Systems

## 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

## WARRANTY

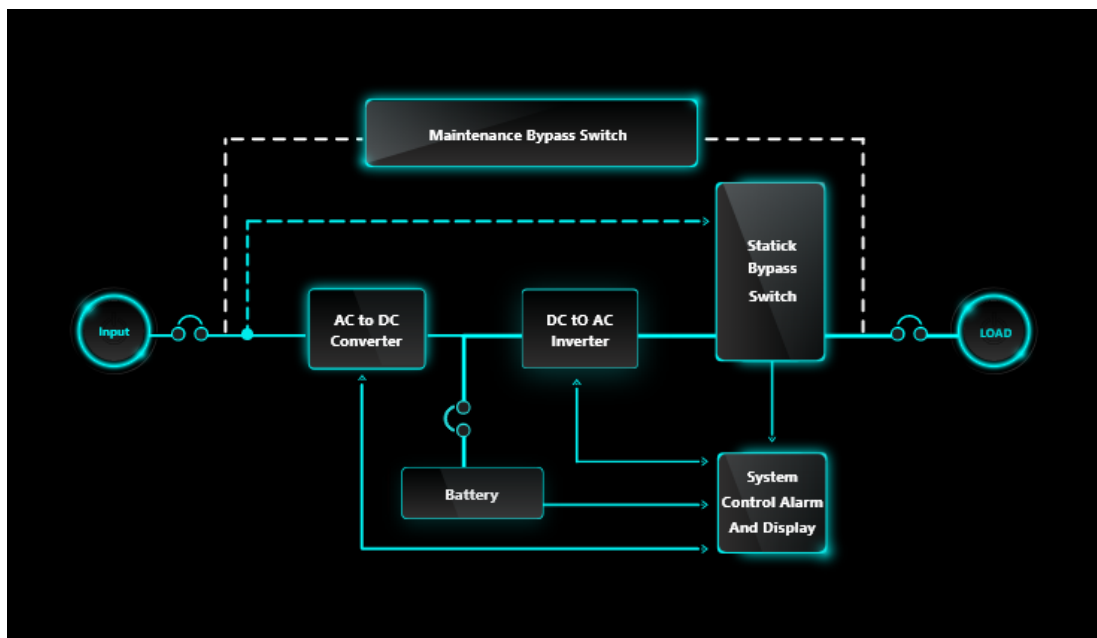
- 1-Year full warranty on system electronics
- Battery warranty 1-year with 9-years pro-rated
- System 1-year on-site warranty labor with DSPM phone assisted start-up
- 5-Year powertrain warranty
- Maintenance contracts available

## 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

- DSPM 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



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	<u>Select</u>	<u>Select</u>	Input and output circuit breakers standard	UL924 UL1778 NFPA 101 NFPA 70 NEC
	4.7	42"	71"	22.5"	not required			1200	159.8		120,	120,		
	5.25	42"	71"	22.5"	not required			1200	178.5		208,	277,		
	7.0	42"	71"	22.5"	not required			1450	238		240,	480,		
	8.0	42"	71"	22.5"	not required			1450	272		277	120/240		
	10.0	42"	71"	22.5"	not required			1820	340		or	or		
	12.0	42"	71"	22.5"	not required			2210	408		480	120/277		
	14.0	42"	71"	22.5"	not required			2550	476					
	18.0	42"	71"	22.5"	42"	71"	22.5"	3750	612					
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. DSPM 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 DSPM 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					
FAMILY	POWER RATING	VOLTAGE <sup>1</sup>		OPTIONS	TIME <sup>3</sup>
	<u>KW</u>	<u>Input/Output</u>	<u>Input/Output</u>	<b>ECM120</b> - 120V Environmental control module <sup>2</sup> /qty	<u>Minutes</u>
	4.7	120/120	240/120-240	<b>ECM277</b> - 277V Environmental control module <sup>2</sup> /qty	5
	5.25	120/277	240/120-277	<b>NOF</b> - Normally OFF output circuit/voltage / qty/pole	10
	7.0	120/480	277/120	<b>NOH</b> - Normally OFF "Hold ON"/voltage/qty/pole	15
	8.0	120/120-240	277/277	<b>OCB</b> - Output circuit breakers / voltage / quantity/amps/pole	20
	10.0	120/120-277	277/480	<b>EPO</b> - Emergency power off	25
	12.0	208/120	277/120-240	<b>RSSP</b> - Remote Indicator Panel	30
	14.0	208/277	277/120-277	<b>SNMP</b> - SNMP Card	45
	18.0	208/480	480/120	<b>FC</b> - Form C Contacts	60
	21.0	208/120-240	480/277	<b>SRB</b> - Seismic rated bracket	90 (Standard)
		208/120-277	480/480	<b>STU1</b> - Onsite start-up	120
		240/120	480/120-240	<b>IDB</b> - Internal dimmer bypass	180
		240/277	480/120-277	<b>EMB</b> - External maintenance bypass switch	240
		240/480		<b>EW</b> - Extended warranty	
				<b>FT</b> - Fast transfer	

## NOTES:

1-Combination of options may be limited. Please

contact factory.

2-One ECM is used per switching device or circuit

Specifications subject to change without notice.