

# COBRA PLUS

## SPECIFICATIONS

*The Cobra Plus 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

- 2.4 KW - 4.2 KW (or 2,400 Watts - 4,200 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, 277V, 480V, 120/240 or 120/277VAC output 60Hz. Stand-by design is ≥99% efficient at 100% linear load

## BATTERIES

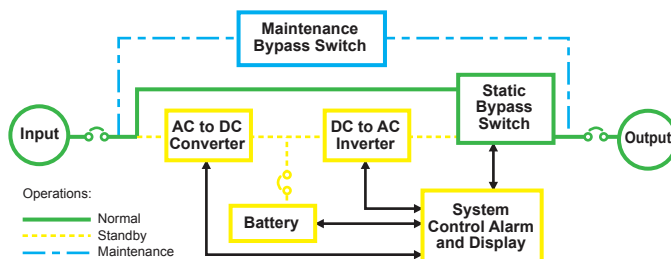
- Sealed, maintenance-free, lead calcium (AGM) batteries
- 10-Year prorated warranty
- DSP/PWM Smart Battery Monitoring System is **TEMPERATURE COMPENSATED** maintaining maximum runtime and battery life
- Microprocessor controlled recharge and DSP/PWM overcharge protection standard

## 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



Catalog Number	
Project	Notes
Signature	Date

## 2.4 KW - 4.2 KW

## Single Phase

## Stand-By Emergency Lighting and Power Systems



## 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

## 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

## CABINET

- Space saving small footprint
- Modular design enables flexible installation

## 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

## 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

# COBRA PLUS



Cobra Plus Series	Power Rating	UPS			Weight	British Thermal Unit	Battery Type	Voltage (VAC)		Output Protection	Safety Approvals
		Cabinet Dimensions						Input	Output		
CPLUS	KVA/KW	W	H	D	(lbs)	BTU's	Sealed, Maintance free (AGM) lead calcium	Input	Output	Input and output circuit breakers standard	UL924 UL1778 NFPA 101 NFPA 70 NEC
	2.4	26"	44"	26"	700	81.6		<u>Select</u>	<u>Select</u>		
	2.6	26"	44"	26"	700	88.4		120, 208, 240, 277 or 480	120, 277, 480, 120/240 or 120/277		
	3.0	26"	44"	26"	800	102					
	3.4	26"	44"	26"	800	115.6					
	3.8	26"	44"	26"	800	129.2					
	4.2	26"	44"	26"	920	142.8					

The Cobra Plus provides the simplicity and reliability that is critical when providing an alternative source of power to any environment. Easy installation ... "simplicity" ... connect the Plus to the emergency circuit(s) and everything is backed up ... "reliability" ... during a power outage. All lighting connected to the Plus 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 Plus 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:

**CPLUS - 4.2 - 277/277 - ECM277/3 OCB/277/3/20/1 - 90**

Description of example:

(4.2 KW, 277 Voltage In, 277 Voltage Out, 3 277V Environmental Control Modules, 3 Output 277 Voltage Circuit Breakers at 20amps, 2 pole, 90 minute run time)

CPLUS —		—		—		—	
FAMILY	POWER RATING	VOLTAGE <sup>1</sup>		OPTIONS		TIME <sup>3</sup>	
	KW	Input/Output				Minutes	
	2.4	120/120		ECM120 - 120V Environmental control module <sup>2</sup> /qty		5	
	2.6	120/277		ECM277 - 277V Environmental control module <sup>2</sup> /qty		10	
	3.0	120/480		NOF - Normally OFF output circuit/voltage / qty/pole		15	
	3.4	120/120-240		NOH - Normally OFF "Hold ON"/voltage/qty/pole		20	
	3.8	120/120-277		OCB - Output circuit breakers / voltage / quantity/amps/pole		25	
	4.2	208/120		EPO - Emergency power off		30	
		208/277		RSSP - Remote Indicator Panel		45	
		208/480		SNMP - SNMP Card		60	
		208/120-240		FC - Form C Contacts		90 (Standard)	
		208/120-277		SRB - Seismic rated bracket		120	
		240/120		STU1 - Onsite start-up		180	
		240/277		IDB - Internal dimmer bypass		240	
		240/480		EMB - External maintenance bypass switch			
				EW - Extended warranty			

## NOTES:

1-Consult factory for other voltage requirements.

Special voltages may effect the weight, size and number of 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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