



COBRA PLUS

2.4- 4.2KW SINGLE PHASE STAND-BY EMERGENCY LIGHTING & POWER SYSTEM

The Corba 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 and industrial environments in a small footprint.

POWER RATING

- 2.4KW – 4.2KW (or 2,400W – 4,200W) single phase output unit uses the latest DSP/PWM technology to provide the most advanced performance and reliability features

INPUT

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

OUTPUT

- 120, 277, 480, 120/240, 120/277 V AC output 60Hz
Stand-by design is ≥99% efficient at 100% linear load

BATTERIES

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

LAMPS & 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

- UL924, UL1778, NFPA101, NFPA70, NEC & OSHA standards
- Cities of Chicago and New York approved
- Complies with the Buy American Act

PROTECTION

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

DIAGNOSTICS & MAINTENANCE

- DSP/PWM technology and 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

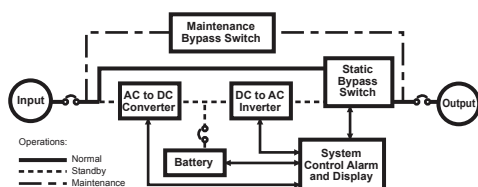
- Modular design and small footprint allow easy installation in electrical closets or other convenient locations
- Phone assisted factory start-up standard for all systems
- Extended warranty available

SPECIAL APPLICATIONS

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



PLUS SERIES	POWER RATING	UPS			WEIGHT	BRITISH THERMAL UNITS	BATTERY TYPE	VOLTAGE (VAC)		OUTPUT PROTECTION	SAFETY APPROVALS
		CABINET DIMENSIONS						INPUT	OUTPUT		
CPLUS	KVA/KW	W	H	D	(LBS)	BTUs	SEALED, MAINTENANCE FREE (AGM) LEAD CALCIUM	(select)	(select)	INPUT & OUTPUT CIRCUIT BREAKERS STANDARD	UL924 UL1778 NFPA101 NFPA70 NEC
	2.4	26"	44"	26"	700	81.6		120	120		
	2.6	26"	44"	26"	700	88.4		208	277		
	3.0	26"	44"	26"	800	102		240	480		
	3.4	26"	44"	26"	800	115.6		277	120/240		
	3.8	26"	44"	26"	800	129.2		or 408	or 120/277		
4.2	26"	44"	26"	920	142.8						

The Corba Plus provides the simplicity and reliability that is critical when providing an alternative source of power to any environment. Easy installation... "simplicity" ...connect the Cobra Plus to the emergency circuit(s) and everything is backed up... "reliability" ...during a power outage. All lighting connections to the Cobra Plus will simply continue to operate at "FULL LIGHT OUTPUT" once the transfer is complete. 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 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:

(4.2KW, 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		VOLTAGE ¹		OPTIONS		TIME ³
FAMILY	POWER RATING	INPUT/OUTPUT	INPUT/OUTPUT			Minutes
	350	120/120	240/120-240	ECM120 – 120V Environmental Control Module ² /qty		5
	525	120/277	240/120-277	ECM277 – 277V Environmental Control Module ² /qty		10
	700	120/480	277/120	NOF – Normally "OFF" output circuit/voltage/qty/pole		15
	750	120/120-240	277/277	NOH – Normally OFF "HOLD ON"/voltage/qty/pole		20
	875	120/120-277	277/480	OCB – Output Circuit Breakers/voltage/qty/amps/pole		25
	1050	208/120	277/120-240	EPO – Emergency Power Off		30
	1400	208/277	277/120-277	RSSP – Remote Indicator Panel		45
	2000	208/480	480/120	SNMP – SNMP Card		60
		208/120-240	480/277	FC – Form "C" Contacts		90 (Standard)
		208/120-277	480/480	SRB – Seismic Rated Bracket		120
		240/120	480/120-277	STUM – Onsite Start-up		180
		240/277	480/120-277	IDB – Internal Dimmer Bypass		240
		240/480	480/480	EMB – External Maintenance Bypass Switch		
				EW – Extended Warranty		
				FT – Fast Transfer		

¹ Consult factory for other voltage requirements
² Special voltages may affect the weight, size and number of cabinets
³ One ECM is used per switching device or circuit
⁴ Consult factory for other run times