USA INVERTERS

COBRA 3

3– 125KW THREE PHASE
STAND-BY EMERGENCY LIGHTING & POWER SYSTEM

The Corba 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 and industrial environments in a small footprint.

POWER RATING
• 3KW – 125KW (or 3,000W – 125,000W) 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 480V AC input 60Hz

OUTPUT
• 208Y/120 or 480Y/277 V AC
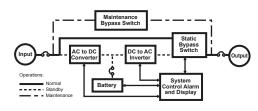 Stand-by design is ≥99% efficient at 100% linear load

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 - Envorinmental 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

COBRA 3 SERIES	POWER RATING	UPS CABINET DIMENSIONS			BATTERY CABINET DIMENSIONS					WEIGHT (COMBINED)	BRITISH THERMAL UNITS	BATTERY TYPE	VOLTAGE (VAC)		OUTPUT PROTECTION	SAFETY APPROVALS
	KVA/KW	W	H	D	No.	W	H	D		(LBS)	BTUs		INPUT	OUTPUT		
USACO3	3	42"	71"	22.5"		not required				980	102	SEALED, MAINTENANCE FREE (AGM) LEAD CALCIUM	Select 208Y/120VAC, 480Y/277VAC, 208 or 480VAC (Consult factory for others)		INPUT & OUTPUT CIRCUIT BREAKERS STANDARD	UL924 UL1778 NFPA101 NFPA70 NEC
	4.5	42"	71"	22.5"						1100	153					
	6	42"	71"	22.5"						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"							2720					
	100	50"	71"	32"							3400					
	125	50"	71"	32"							4250					

The Corba 3 provides the simplicity and reliability that is critical when providing an alternative source of power to any environment. Easy installation… "simplicity" …connect the Cobra 3 to the emergency circuit(s) and everything is backed up… "reliability" …during a power outage. All lighting connections to the Cobra 3 will simply continue to operate at **"FULL LIGHT OUTPUT"** once the transfer is complete. Watchdog Software keeps your environment safe while self-dianostics help maintain equipment to a high standard. Superior surge supression assures the highest quality of power being delivered to all loads, all the time.

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:
USACO3-12.0-208Y/120 208Y/120-EMB OCB/120/3/20/1-240

Description of Example:

(12.0KW, 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)

USACO3 - _____ - _____ - _____ - _____

FAMILY	POWER RATING	VOLTAGE[1]	OPTIONS	TIME[3]
	KW	INPUT/OUTPUT		Minutes
	3.0	**208Y/120-208Y/120**	**ECM120** – 120V Environmental Control Module[2]/qty	5
	4.5	**208Y/120-480Y/277**	**ECM277** – 277V Environmental Control Module[2]/qty	10
	6.0	**480Y/277-208Y/120**	**NOF** – Normally "OFF" output circuit/voltage/qty/pole	15
	8.0	**480Y/277-480Y/277**	**NOH** – Normally OFF "HOLD ON"/voltage/qty/pole	20
	10.0	**208-208Y/120**	**OCB** – Output Circuit Breakers/voltage/qty/amps/pole	25
	12.0	**208-480Y/277**	**EPO** – Emergency Power Off	30
	16.0	**480-208Y/120**	**RSSP** – Remote Indicator Panel	45
	20.0	**480-480Y/277**	**SNMP** – SNMP Card	60
	24.0		**FC** – Form "C" Contacts	**90 (Standard)**
	30.0		**SRB** – Seismic Rated Bracket	120
	40.0		**STU3** – Onsite Start-up	180
	60.0		**IDB** – Internal Dimmer Bypass	240
	80.0		**EMB** – External Maintenance Bypass Switch	
	100.0		**EW** – Extended Warranty	
	125.0		**FT** – Fast Transfer	

[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