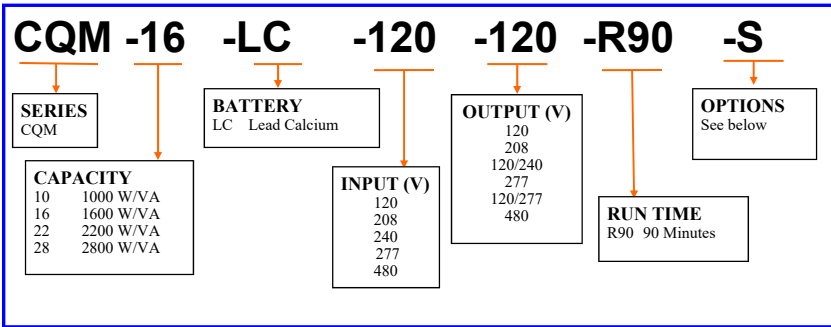


Fixture Type:	
Model Number:	
Project:	

## CQM SERIES AC INVERTER SYSTEM

### ORDERING GUIDE



### PRODUCT FEATURES

- Pulse Width Modulated inverter design with IGBT technology
- "Off line" operation for increased reliability and efficiency
- < 2ms transfer time
- Self-testing/self-diagnostic operation
- 98% efficiency rating at full load
- 65 KAIC input rating
- Harmonic distortion <3% for linear loads
- Load power factor range .5 lead to .5 lag
- Compatible with all lighting loads including HID, fluorescent, incandescent and LED
- Backup generator compatible
- Microprocessor controlled, 20 character display with touch pad controls and functions
- User programmable with password protection
- Input circuit breaker standard
- One output circuit breaker standard
- Same small footprint regardless of capacity
- Wall hung unit - Brackets are not required
- Forced air cooling only during emergency - Air filters are not required
- 90 minute operation standard, alternate runtimes available
- Maintenance-free lead calcium battery standard
- 68°F to 86°F (20°C to 30°C) operating range
- Meets NFPA Life Safety Code 101, NEC and OSHA
- UL924 listed

### OPTIONS<sup>2</sup>

- M** Internal Bypass Switch
- IO** Inverter On Dry Form C Contacts
- BL** Breaker Locks
- BTM** Battery Temperature Monitor
- D** Drip Top Shield
- L** Load Control Relay
- S** Summary Alarm Contacts
- RAP** Remote Alarm Summary Panel
- RSP** Remote Status panel (Requires the SMC option)
- Z** Seismic Bracing<sup>1</sup>
- Y** Battery strapping
- OCB** Output Circuit Breaker - (See page 2 for details)
- AR** Alternate Run Time (Specify Time in Minutes)
- ZM** Zone monitoring
- SEA** Serial to Ethernet Adapter
- SMC** Status Monitoring Contacts
- FS** Factory Start-Up
- EW** Extended Warranty (Includes FS)
- EMBP** External Maintenance Bypass Switch

### Pick only one of the following

- BAC** BACnet MS/TP interface
- BIP** BACnet IP interface
- MIP** Modbus TCP/IP
- MOD** Modbus RTU

<sup>1</sup>Adds 4 inches to the overall height

<sup>2</sup>Some options may impact product UL listing. Consult factory

### OUTPUT CIRCUIT BREAKERS GUIDE

The CQM system will be supplied with one full load output circuit breaker, unless more than one is needed, and specified with the following nomenclature. Maximum available number of single pole breakers is 10 without trip alarms, or 6 with trip alarms.

B	A	20	06	T
<b>Function</b> B Norm On N Norm Off	<b>Voltage</b> A 120 volts B 208 volts <sup>1</sup> C 240 volts <sup>1</sup> D 277 volts G 480 volts	<b>Current Rating</b> 10-60 Amps	<b>Quantity<sup>2</sup></b> 01 - 10 (6 max w/alarm)	<b>Optional</b> Trip Alarm

<sup>1</sup> Double Pole breakers take up 2 positions

### DIMENSIONS



### Physical specifications

Model Number	Electronics Module								Batteries 90 Minutes @ Full Load				
	Power Rating (VA / W)	Efficiency (Typical %)	Audible Noise (db)	Heat Loss (BTU)	Cabinet Dimensions				90 Minutes Batteries (lbs / kg)	Number of Batteries	Voltage (VDC)	Current (amps)	Total System Weight (lbs / kg)
					Width (in / cm)	Height (in / cm)	Depth (in / cm)	Weight (lbs / kg)					
CQM10	1000	98	45	70	24.25 / 61.6	27.5 / 69.9	10.5 / 26.67	121 / 55	160 / 73	4	48	26	281 / 128
CQM16	1600	98	45	110	24.25 / 61.6	43.25 / 109.86	10.5 / 26.67	165 / 75	240 / 109	6	72	27	405 / 184
CQM22	2200	98	45	150	24.25 / 61.6	43.25 / 109.86	10.5 / 26.67	174 / 79	320 / 146	8	96	27	494 / 225
CQM28	2800	98	45	190	24.25 / 61.6	55 / 139.7	10.5 / 26.67	203 / 92	400 / 182	10	120	27	603 / 274

Specifications listed are for 90 minute rated systems utilizing standard type "LC" batteries. Consult factory for specifications on models with alternate batteries and runtimes