



The **CH2-G2 series by Chloride** is a high-performance single-phase inverter system designed to meet critical power requirements, offering a power range of 1.0 KVA/KW to 2.8KVA/KW. Engineered for reliability, this system is UL924 listed and compatible with LED, fluorescent, incandescent and halogen lamp loads, while providing a standard runtime of 90 minutes. Equipped with advanced features and configurable options, the CH2-G2 series supports multiple communication protocols, making it an ideal solution for a wide range of applications.

Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Lamps: _____ Qty: _____
 Notes: _____

Ordering guide

Example: CH2-G2-S-1-A-S-B-A-10-01-10-A-2YW

Series	Phase	KVA/KW	Voltage Input/Output ¹	Battery Type	Runtime	Output Breakers ⁴			
						Output	Voltage	Amp Rating (Distribution Breakers) ⁵	Quantity
CH2-G2	S								01-10
CH2-G2 Chloride single phase uninterruptible inverter system for emergency lighting	S Single phase	1 1.0 1.6 1.6 2.2 2.2 2.8 2.8	A 120 - 120 B² 120 - 120/277 C² 208 - 120 D² 240 - 120/240 E² 277 - 120 F 277 - 277 G² 277 - 277/120 H² 208 - 120/240 I² 208 - 120/208	S Standard (10 years) S15 Extended (15 years) G Long Life (20 years)	[Blank] 90 min	B Normally ON N² Normally OFF	A 120 B 208 C 240 D 277 Z Other	10 16 20 25 32	01-10³
Options				Mounting Options		Warranty ⁸			
A Remote summary alarm panel BL Circuit breaker lock(s) BTM Battery temperature monitor C Status monitoring contacts dry Form C contacts panel DT Drip top I Inverter on dry Form C contacts L Load control relay (contact factory for available quantities & review application) M Internal maintenance bypass (make before break) M(BBM) Internal maintenance bypass O Output transfer delay (3 seconds) P⁴ Remote status panel S Summary fault Form C contacts T⁴ Output trip (supervised) alarm V Time delay 15 minutes Y Battery strapping ZM Zone monitor (contact factory to review application) EMPB^{5,6} External maintenance bypass switch SPARES Spare fuses & circuit boards SPAREF Spare fuse kit				[Blank] Standard wall F Floor mount bracket (adds 4" to total system height) W Wall mount brackets Z⁷ Seismic/raised floor (adds 4" to total system height)		2YW Startup & same day training 2YWT Startup, same day training and full run test 5YP 5-Year preventative maintenance plan, startup must be included 5YW 5-Year extended electronics warranty TR Training (if required on day one)			
Can only have one of following options: R Remote meter panel SEA Serial to ethernet adapter (RJ45) BAC BACnet communications (MSTP) BIP BACnet communications (IP) MIP Modbus TCP/IP MOD Modbus RTU									

- Other voltages available. Contact factory.
- Enclosure height may increase. Contact factory.
- Unless output circuit breakers are specified, a single output breaker will be supplied with each unit and the current rating will vary based on the output power and voltage rating of the unit. Maximum specified output breakers available: 10 unsupervised (1-pole), 6 supervised (1-pole). A 2-pole breaker occupies 2 positions.

- Requires option C.
- Cannot purchase "External Maintenance Bypass Switch" with "Branch Circuit Breaker" options.
- Maintenance bypass switch is a "make before break".
- Only main output breaker available. Distribution to be external.
- One year warranty is standard.

CH2-G2 Single Phase Uninterruptible Inverter

1.0KVA/KW to 2.8KVA/KW

Product Highlights

- Single Phase Inverter
- 1.0 KVA/KW to 2.8 kVA/KW
- Uninterruptible
- 2ms Transfer Time
- UL924 Listed
- For use with LED, HID, motor loads and all lighting loads
- Small Footprint, Wall Hung Units

Application Areas

- Office
- Education
- Healthcare
- Hospitality
- Retail
- Industrial
- Manufacturing

Specifications

- Input 120 or 277VAC 1 Phase 2 wire plus ground
- Output 120 or 277VAC 1 Phase 2 wire plus ground
- Output load power factor 0.5 lag to 0.5 lead
- Compatible with all LED Drivers
- Forced air cooling only during emergency operation; no filters required
- Output distortion less than 3% THD for linear loads
- Generator compatibility
- Custom voltages available
- 90 minute runtime standard

Product features

- 98% efficient
- PWM/IGBT technology
- Micro-processor control
- User programmable with password protection
- UL 924 listed
- Automatic event, test and alarm log
- RS232 communications port
- Input circuit breaker
- 2ms transfer time
- Low audible noise
- Space-saving, single cabinet design

Optional features

- BACnet (MS/TP) or (IP)
- MODbus (TCP/IP) or (RTU)
- Internal maintenance bypass
- Summary Form C contacts
- Fast charge
- Remote meter panel
- Output circuit breakers
- Extended factory warranty
- Factory startup and training
- Normally off output
- Output trip alarms
- Remote summary alarm panel

*For complete Options list see Ordering Information table in page 1

Codes and standards

- UL 924 listed

Specifications table

Series	Electronics Module								Batteries 90 Minutes @ Full Load			
	Power Rating (KVA/KW)	Efficiency (%)	Audible Noise (db)	Heat Loss (BTU)	Cabinet Dimensions*				90 Minutes Batteries (lbs/kg)	No. of Batteries	Voltage (VDC)	Total System Weight (lbs/kg)
					Width (in/cm)	Height (in/cm)	Depth (in/cm)	Weight (lbs/kg)				
CH2-G2-S-1	1	98	45	70	24.25/61.6	27.5/69.9	10.5/26.67	121/55	160/73	4	48	281/128
CH2-G2-S-1.6	1.6	98	45	110	24.25/61.6	43.25/109.86	10.5/26.67	165/75	240/109	6	72	405/184
CH2-G2-S-2.2	2.2	98	45	150	24.25/61.6	43.25/109.86	10.5/26.67	174/79	320/146	8	96	494/225
CH2-G2-S-2.8	2.8	98	45	190	24.25/61.6	55/139.7	10.5/26.67	203/92	400/182	10	120	603/274

*For systems with voltages other than 120 in/out or 277 in/out system cabinet heights will vary. Contact factory.

CH2-G2 Single Phase Uninterruptible Inverter

1.0KVA/KW to 2.8KVA/KW

Dimensions

Model 1.0KVA



Model 2.8KVA



Models 1.6KVA and 2.2KVA

