



The **CH3-G2 series by Chloride** is a high-performance three-phase inverter system designed to meet critical power requirements, offering a power range of 4.8KVA/KW to 50KVA/KW. Engineered for reliability, this system is UL924 listed and compatible with all light sources, including LED loads, while providing a standard runtime of 90 minutes. Equipped with advanced features and configurable options, the CH3-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: CH3-G2-5-A-S-A2007-FTS-2YW

Series		KVA/KW	Voltage Input/Output ¹	Battery Type	Runtime		Output Breakers ^{3,4}		
							Pole	Amp Rating (Distribution Breakers) ⁵	Quantity
CH3-G2 Chloride three phase inverter system	5	4.8	A 120/208 – 120/208 B 277/480 – 277/480	S Standard (10 years) G Long life (20 years)	[Blank] 90 min 120 ² 120 min	A 1-Pole B 2-Pole C 3-Pole	10 16 20 25 32 40 50 63	01-24 ⁴	
	6	6.0							
	8	8.0							
	10	10.0							
	12	12.5							
	16	16.7							
	24	24.0							
	33	33.0							
	40	40.0							
	50	50.0							
Options					Warranty ⁹				
A	Remote summary alarm panel				2YW	2-Year warranty includes startup & same day training			
C	Status monitoring dry Form C contacts				5YP	5-Year preventative maintenance plan, startup must be included			
F	Fast charge				5YW	5-Year extended electronics warranty			
I	Inverter on dry Form C contacts				SMP	Service monitoring plan			
S	Summary dry fault Form C contacts								
T	Output trip (supervised) alarm								
Z ⁶	Seismic mounting								
EMBP ⁷	External maintenance bypass								
O	Output transfer delay (3 seconds)								
DT	Drip top								
L	Load control relay (contact factory for available quantities & review application)								
P ⁸	Remote status panel								
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.
- 120 min run time not available on 50KVA unit.
- Contact factory for "Normally Off" output option.
- Maximum output breakers available: 4.8k up to 16.7k systems -12 unsupervised (1- pole), 8 supervised (1-pole). 24k up to 50k systems-36 unsupervised (1-pole), 30 supervised (1-pole). Combinations of 1, 2 and 3 pole breakers available (consult factory).

- Higher Amp ratings available - contact factory.
- Anchorage based on calculations.
- Only main 3-pole output breaker available. Distribution to be external.
- Requires option C.
- One year warranty is standard.

Product Highlights

- Three phase pure sine wave inverter
- 4.8 kVA/KW to 50 kVA/KW output
- UL924 listed with self-diagnostics standard
- Internal maintenance bypass switch
- Supports all lamp sources and LED loads
- Front access, maintenance free VRLA batteries

Application Areas

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

CH3-G2 Three Phase Inverter System

4.8KVA/KW to 50KVA/KW

Specifications

- Input 120/208 or 277/480 VAC 3 phase 4 wire wye configuration
- Output 120/208 or 277/480 VAC 3 phase wye or delta configuration
- Output load power factor .5 lag to .5 lead
- Electronic & magnetic ballast compatible
- Output distortion less than 3% THD for linear loads
- Forced air cooling only during emergency operation, no filters required
- Generator compatibility (10x inverter rating required)
- 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
- 50ms 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

UPS Electronics Module									Batteries						Battery Module				
Series	Power Rating (KVA/KW)	Efficiency (%)	Audible Noise (db)	Heat Loss (BTU)	Cabinet Dimensions (90 mins. run)										Cabinet Dimensions				Total System Weight (lbs/kg)
					Width (in/cm)	Height (in/cm)	Depth (in/cm)	Weight (lbs/kg)	Total Battery Weight (lbs/kg)	No. of Batteries	Voltage (VDC)	Current (amps)	Run Time (mins)	Width (in/cm)	Height (in/cm)	Depth (in/cm)	Weight (lbs/kg)		
CH3-G2-5	4.8	97	45	326	30/77	47/120	25/64	535/243	888/403	12	144	39	90	888/403	12	144	39	90	
CH3-G2-6	6.0	97	45	408	30/77	47/120	25/64	535/243	1110/504	15	180	39	90	1110/504	15	180	39	90	
CH3-G2-8	8.0	97	45	544	30/77	47/120	25/64	535/243	1480/672	20	240	39	90	1480/672	20	240	39	90	
CH3-G2-10	10.0	97	45	680	30/77	47/120	25/64	639/290	1776/806	24	144	81	90	1776/806	24	144	81	90	
CH3-G2-12	12.5¹	97	45	850	30/77	47/120	25/64	639/290	2220/1007	30	180	81	90	2220/1007	30	180	81	90	
CH3-G2-16	16.7¹	97	45	1136	30/77	47/120	25/64	639/290	2960/1343	40	240	81	90	2960/1343	40	240	81	90	
CH3-G2-24	24.0	97	45	1632	44/112	72/183	31/79	1250/567	4440/2014	60	240	117	90	4440/2014	60	240	117	90	
CH3-G2-33	33.0¹	97	45	2244	44/112	72/183	31/79	1250/567	6080/2758	80	240	160	90	6080/2758	80	240	160	90	
CH3-G2-40	40.0¹	97	45	2720	44/112	72/183	31/79	1450/658	7400/3357	100	240	194	90	7400/3357	100	240	194	90	
CH3-G2-50	50.0¹	97	45	3400	44/112	72/183	31/79	1450/658	9120/4137	60	240	243	90	9120/4137	60	240	243	90	

For 120 minutes sizing, please contact factory.

1. Two battery cabinets required, all other configurations require one battery cabinet

CH3-G2 Three Phase Inverter System

4.8KVA/KW to 50KVA/KW

Dimensions

Models 4.8KVA to 16.7KVA



Models 24KVA to 50KVA

