



The **CHUPS-G2 series by Chloride** is a high-performance single-phase mini inverter system designed to meet critical power requirements, offering a power range of 175VA/W to 1100VA/W. 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 CHUPS-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: CHUPS-G2-350-WH-2-B2003-LVST

Series		VA/W		Color ²		Voltage Input/Output		Meter Panel Options		Output Breaker ²			
										Output	Amp Rating (distribution breakers)	Quantity	
CHUPS-G2	Chloride mini inverter single phase system for emergency lighting	350	350VA/W	WH	White	[Blank]	Field Selectable 120/120VAC or 277/277VAC	1 No meter panel (standard) 2 Internal meter panel and advanced testing & logging 3 Advanced testing & logging, no meter panel	[blank]	None	5	01-06	
		550	550VA/W	GY	Grey				B ³	Normally on	10		
		750	750VA/W	BK	Black				N	Normally off	15		
									S ^{3,4,5}	Switched	20		
CHUPS-G2-H ¹	Chloride mini inverter single phase system for emergency lighting (OSHPD Rated)												
Mounting	Options for Meter Panel Type 1					Options for Meter Panel Type 2 and 3					Warranty ⁹		
	Can Pick Any					Can Pick Any							
[blank]	Standard Wall Mount	D	Drip Top (NEMA 2)				D	Drip Top (NEMA 2)				[blank]	3-year standard warranty includes all parts. Up to 10 years prorated warranty on batteries
FL ⁶	Floor Mount	F	Battery charger Upgrade (12 hrs recharge)				F	Battery charger Upgrade (12 hrs recharge)					
		LF	TVSS Line Filter				LF	TVSS Line Filter					
		S	Battery Strapping				S	Battery Strapping					
		R	Infrared Remote Test				R	Infrared Remote Test					
		RT	Remote Test Switch, Alarm & Indicator				RT	Remote Test Switch, Alarm & Indicator					
		Can Pick One for Meter Panel Type 1					Can Pick One for Meter Panel Type 2 and 3					LVST	Start Up & Same Day Training
		C ⁷	Status Monitoring Dry Form C Contacts				C ⁷	Status Monitoring Dry Form C Contacts				TR	Training on Day Other Than Start Up
		DR ⁷	Dimming relay (breaks 0-10V dimming signal)				DR ⁷	Dimming relay (breaks 0-10V dimming signal)					
		O ⁷	Output transfer delay to emerg. (factory set at 6 secs.)				O ⁷	Output transfer delay to emerg. (factory set at 6 secs.)					
		ZM	Zone monitoring (qty. must be specified; max. of 3)				ZM	Zone monitoring (qty. must be specified; max. of 3)					
						BAC ⁸	BACnet Communications (MSTP)						
						BIP ⁸	BACnet IP						
						MIP ⁸	Modbus TCP/IP						
						MUST Pick One for Meter Panel Type 3							
						RMP	Remote Meter						
						HH	Handheld Meter						

- OSHPD rating for all standard wall mount only.
- Maximum output breakers available: 350/550VA= 3 Output Breakers max; 750VA= 6 Output Breakers max.
- Normally off not available when using switched output.
- Maximum of 3 switched outputs, each with 10-amp circuit breaker.
- Type 1 systems cannot have C option with switched breakers. For Type 3: contact factory when multiple switched outputs are specified if O or C options are required.
- Adds 2.7" to total system height.
- Multiple switched outputs or transfer delay limit available alarm contacts on Meter Panel Type 2 and 3 systems. For Meter Panel Type 1 systems, there are no alarm contacts when using switched outputs. Contact factory.
- When ordering any Communication options an additional enclosure will be added to the top right of the unit with the following dimensions: 2.2"L x 10" W x 6.25"H.
- Available on all models: 3 year standard warranty includes all parts. Up to 10 years prorated warranty on batteries.

Product Highlights

- Single Phase Mini Inverter
- UL924 listed
- 175A/W to 1100VA/W
- Provides 90 minutes of emergency AC power
- Compatible with LED, fluorescent, incandescent and halogen lamp loads
- Small footprint, wall mount units
- PWM/MOSFET Technology provides pure sine wave power and 8 to 25ms transfer time
- Maintenance free VRLA batteries
- Self-diagnostics standard
- Field selectable 120VAC or 277VAC input and output voltage
- 3-Year standard limited warranty includes all parts. Up to 10 years prorated warranty on batteries.

Application Areas

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

CHUPS-G2 Single Phase Mini Inverter

350-750 VA/W

Specifications

- Input voltage field selectable 120VAC or 277VAC, 60Hz, single phase, 2-wire, plus ground
- Output voltage field selectable 120VAC or 277VAC, 60Hz, single phase, 2-wire, plus ground
- THD Input/output <10%/<3%
- Output Load Power Factor 0.5 Lag to 0.5 Lead
- Overload threshold 110% continuous rating, 250% for 16 line cycles
- Crest factor <= 3.5
- 88-92% Efficiency
- 90 Minute Runtime Standard
- Up to 360 Minute Runtime w/lower loads (reference Run Time vs. Output Power Table Below)
- Long-life, maintenance-free Valve Regulated Lead Acid (VRLA) batteries
- Storage/Transport Temperature: -20oC to 70oC (40oF to 158oF)
- Operating Temperature: 0oC to 40oC (32oF to 104oF)
- Low Audible Noise
 - 45dBA @ 1 meter distance during normal mode
 - 50dBA @ 1 meter distance during emergency mode

Codes and standards

- UL 924 listed

Product features

- 90 Minutes of emergency run time with extended run time tables (see table below)
- PWM/MOSFET Technology provides pure sine wave emergency power with a 8ms to 24ms nobreak transfer time
- Single phase, uninterruptible power supply
- Long-life, maintenance free Valve Regulated Lead Acid (VRLA) batteries
- Microprocessor controlled, 3-stage battery charger
- Low battery voltage disconnect protects batteries against deep discharge
- Self-testing/self-diagnostics standard in all models
- High crest factor and inrush capabilities
- Operates Normally-On, Normally-Off and Switched fixtures
- Space-saving, durable steel compact cabinet

Optional features

- Floor mounting available with optional NEMA 2 rated drip top
- Advanced testing and logging capabilities
- Infrared remote test switch
- Remote test switch with alarm indicator Transient voltage surge suppressor (TVSS) line filter
- Status monitoring dry form C contacts
- 12-Hour Battery Charger
- 0-10V Dimming relay option for dimming control applications
- Output circuit breakers available
- Output transfer delay to emergency (Factory set at 6 seconds)
- Zone monitoring
- Factory Startup and Training
- BACnet (MSTP) or (IP)
- Modbus (TCP/IP) or (RTU)

Specifications table

Electronics Module						Batteries 90 Minutes @ Full Load			
Part Number	Power Rating (VA/W)	Cabinet Dimensions (90 mins. run)				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)				
CHUPS-G2-350	350	19/48.26	22/55.88	9.25/23.495	50/22.7	50/22.7	2	24	100/45.4
CHUPS-G2-550	550	19/48.26	22/55.88	9.25/23.495	55/24.9	75/34.0	3	36	130/59.0
CHUPS-G2-750	750	25.25/64.135	22/55.88	9.25/23.495	80/36.3	100/45.4	4	48	180/81.7

Extended Run Time vs. Output Power

Runtime (Minutes)	Output Power (Watts)		
	350VA/W	550VA/W	750VA/W
120 Minutes	275W	450W	575W
180 Minutes	200W	325W	425W
240 Minutes	150W	225W	300W
300 Minutes	125W	175W	250W
360 Minutes	100W	150W	200W

CHUPS-G2 Single Phase Mini Inverter

350-750 VA/W

Dimensions

Electronics Module					
Part Number	Power Rating (VA/W)	Cabinet Dimensions (90 mins. run)			
		Width (in/cm)	Height (in/cm)	Depth (in/cm)	Weight (lbs/kg)
CHUPS-G2-350	350	19/48.26	22/55.88	9.25/23.495	50/22.7
CHUPS-G2-550	550	19/48.26	22/55.88	9.25/23.495	55/24.9
CHUPS-G2-750	750	25.25/64.135	22/55.88	9.25/23.495	80/36.3

350-550VA



750VA



CHUPS G2 Family



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