



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-G2-175-WH-1-W-TR

Series		VA/W	Color ²	Voltage Input/Output		Meter Panel Options ³		Output Breaker	
CHUPS-G2	Chloride mini inverter single phase system for emergency lighting	175 175 VA/W	WH White GY Grey BK Black	[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]	No output circuit breakers for 175VA models	
CHUPS-G2-H ¹	Chloride mini inverter single phase system for emergency lighting (OSHPD Rated)								
Mounting		Options			Warranty ⁷				
[blank]	Standard Wall Mount	D ^{5, 6}	Drip Top (NEMA 2)		[blank] ⁷	3-year standard warranty includes all parts. Up to 10 years prorated warranty on batteries			
G ⁴	Plenum Rated Grid Mount	F ⁵	Battery charger upgrade (12 hours recharge)		LVST				
W	Recessed Wall Mount	LF ⁵	TVSS line filter		TR	Training on Day Other Than Start Up			
		S ⁵	Battery strapping						
		R	Infrared remote test switch						
		RT	Remote test switch, alarm & indicator						

- OSHPD rating for all standard wall mount only
- Plenum Rated Grid Mount standard color is White
- Options 2 and 3 are only available on wall mounted models
- Grid/Ceiling mounted system standard color is white
- Not available for G = Plenum Rated Grid Mount Option
- Not available for W = Recessed Wall Mount Option
- 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

175 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 for 350W, 550W, 750W and 1100W models
- 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)
- BAA, BABA and TAA compliant options are available upon request

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-G2-175 Plenum Rated Grid Mount	175	23.875/60.6	7.5/19.1	8/20.3	23/10.4	25/11.4	1	12	48/21.8
CHUPS-G2-175 Recessed Wall Mount	175	16.25/41.275	19.75/50.165	6.5/16.51	30/13.6	25/11.4	1	12	55/25
CHUPS-G2-175 Standard Wall Mount	175	14.25/36.195	17.75/45.085	6.5/16.51	30/13.6	25/11.4	1	12	55/25

Extended Run Time vs. Output Power

Runtime (Minutes)	Output Power (Watts)
120 Minutes	135W
180 Minutes	95W
240 Minutes	75W
300 Minutes	55W
360 Minutes	45W

CHUPS-G2 Single Phase Mini Inverter

175 VA/W

Dimensions

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175 VA/W



175VA/W (T-Grid Style)



CHUPS G2 Family



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