

CHLORIDE

Exit/Emergency

CHUPS-G2 Series

Single Phase Mini Inverter
1100 VA/W



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-G2-1100-WH-1-B2006-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	1100 1100VA/W	WH White GY Grey BK Black	[Blank] Field Selectable 120/120VAC or 277/277VAC	1 No meter panel (standard) 4 Internal meter panel and advanced testing & logging 5 Advanced testing & logging, no meter panel	[blank] None B³ Normally on N Normally off S^{3,4,5} Switched	5 10 15 20	01-06
CHUPS-G2-H¹ Chloride mini inverter single phase system for emergency lighting (OSHDP Rated)							

Mounting		Options for Meter Panel Type 1		Options for Meter Panel Type 4 and 5		Warranty ⁹	
		Can Pick Any		Can Pick Any			
[blank]	Standard Wall Mount FL ⁶ Floor 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
		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 Types 4 and 5		LVST	Start Up & Same Day Training
		C ⁷	Status Monitoring Dry Form C Contacts	C	Status Monitoring Dry Form C Contacts	TR	Training on Day Other Than Start Up
		DR ⁷	Dimming relay (breaks 0-10V dimming signal)	DR	Dimming relay (breaks 0-10V dimming signal)		
		O ⁷	Output transfer delay to emerg. (factory set at 6 secs.)	O	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 5					
				RMP	Remote Meter		
				HH	Handheld Meter		

1. OSHDP rating for all standard wall mount only
2. Maximum output breakers available: 1100VA= 6 Output Breakers max
3. Normally off not available when using switched output
4. Maximum of 3 switched outputs, each with 10-amp circuit breaker
5. Type 1 systems cannot have C option with switched breakers. For Types 4 & 5: contact factory when multiple switched outputs are specified if O or C options are required.

6. Adds 2.7" to total system height
7. For Meter Panel Type 1 systems, there are no alarm contacts when using switched outputs. Contact factory.
8. 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.
9. 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

1100 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)

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-G2-1100	1100	26/66.04	25.3/64.262	10.125/25.718	87/39.5	159/72.0	4	48	246/111.5

Extended Run Time vs. Output Power

Runtime (Minutes)	Output Power (Watts)
	1100VA/W
120 Minutes	850W
180 Minutes	650W
240 Minutes	450W
300 Minutes	350W
360 Minutes	300W

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1100 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-G2-1100	1100	26/66.04	25.3/64.262	10.125/25.718	87/39.5

1100VA



CHUPS G2 Family



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Signify North America Corp.
400 Crossing Blvd, Suite 600
Bridgewater, NJ 08807
Telephone: 800-555-0050

Signify Canada Ltd.
281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Telephone: 800-668-9008

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