CHLORIDE
by signify

Exit/Emergency

Synthesis CHT series

Single Phase Uninterruptible Power Supply, 1.5KVA

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Example: CHTAA1.5S0

CHT			1.5								
Series	**Input Voltage**	**Output Voltage**	**Unit Size**	**Battery Time**	**NoI**	**Qty Ckt Breakers**	**Breakers On 2nd Voltage**	**Qty NoI Ckt Breakers**	**NoI Voltage**	**Qty NoI 2nd Voltage**
CHT – Chloride Synthesis CHT UPS System for Emergency Lighting Applications	**A** – 120 V **J** – 277 V	**A** – 120 V **J** – 277 V **Y** – 120/277 V	**1.5** – 1.5 kVA	**S** – 90 min **X** – 10 min **Y** – 20 min	**0** – None **1** – Yes **T** – NOL w/ TDT	**00X** – Hardwire **01X** – 1 OCB **02X** – 2 OCB **03X** – 3 OCB **04X** – 4 OCB . . . **20X** – 20 OCB – – – – – – **01A** – 1 OCBA **02A** – 2 OCBA **03A** – 3 OCBA . . . **010A** – 10 OCBA (maximum pole spaces 20)	**00** – 2nd Voltage Hardwire or No 2nd Voltage **01** **02** **03** . . . **19**	**A** – 1 **B** – 2 **C** – 3 **D** – 4 **E** – 5 **F** – 6 **G** – 7 **H** – 8 **I** – 9 **J** – 10 **K** – 11 **L** – 12 **M** – 13 **N** – 14 **O** – 15 **P** – 16 **Q** – 17 **R** – 18 **S** – 19 **T** – 20 **Z** – None	**1** – First **2** – Second **3** – Both **0** – No NOL	**A** – 1 **B** – 2 **C** – 3 **D** – 4 **E** – 5 **F** – 6 **G** – 7 **H** – 8 **I** – 9 **J** – 10 **K** – 11 **L** – 12 **M** – 13 **N** – 14 **O** – 15 **P** – 16 **Q** – 17 **R** – 18 **S** – 19 **Z** – No NOL

Footnote

[1] Optimum operating temperature of batteries is 77°F (25°C). Temperatures above 85°F (30°C) adversely impact battery life.

unit check list

Catalog No:_____

VA Rating: 1500

Battery Type: Sealed Lead Calcium

Operating Time: 90/20/10 Min.

Utility Input:_____VAC, Single Phase

Output Circuit Breakers:

		Normally ON	Normally OFF	Trip Alarm YES	Trip Alarm NO
Qty: ____ AC Volts: _____ Amps: _____		☐	☐	☐	☐
Qty: ____ AC Volts: _____ Amps: _____		☐	☐	☐	☐
Qty: ____ AC Volts: _____ Amps: _____		☐	☐	☐	☐
Qty: ____ AC Volts: _____ Amps: _____		☐	☐	☐	☐

Remarks:_____

CHT Synthesis Single Phase Uniterruptible Power Supply

1.5 KVA

codes and standards

- UL 924 listed

construction

- Free standing, NEMA 1 enclosure with lockable control access panel.
- Double conversion, no interruption.
- Solid state pulse width modulated inverter.
- Internal, make before break maintenance by-pass.
- Standard, UL 924 compliant, 90 minute battery back up.
- UL 924 auxiliary equipment 10 and 20 minute back up available.
- Microprocessor control and diagnostic system.
- LED array system status panel
- Fault annunciating audible alarm.
- Current limiting start sequence.
- Optional output circuit breakers (OCB) and circuit breakers with trip alarm (OCBA).
- Optional normally off load (NOL) energizes only during power outage, normally off load with time delay (TDT) also available.
- Seismic anchoring compatible.
- 90% throughput efficiency, 85% emergency efficiency.
- Operating temperature range 32°F (0°C) to 104°F (40°C)1.
- Fault current rating 42 kAIC.
- Audible noise less than 50 dB at 3 ft on “A” weighted scale.
- Automatic low battery voltage disconnect.

application

- The solid state pulse width modulated (PWM) inverter offers enhanced load compatibility.
- It operates incandescent, magnetic and electronic ballast fluorescent,
  high power factor compact fluorescent and high intensity discharge (HID) luminaries.
- Provides conditioned, uninterruptible power for other types of critical loads.
- Consult factory for non-lighting load applications.

electronics – input

- Input power factor correcting to 0.99.
- Frequency range 60 Hz, ±2.5 Hz.
- Input harmonic current distortion < 5% THD.
- UL1449, ANSI/IEEE C62.41 surge suppression.

electronics – output

- Sine wave output.
- Voltage regulation ±2%.
- Frequency regulation - synchronized to utility, free running 60 Hz, ±0.5%.
- Output voltage distortion maximum 3% THD with linear load.
- Load power factor capability 0.7 lead to 0.7 lag.
- Overload capability 125% for 10 seconds.

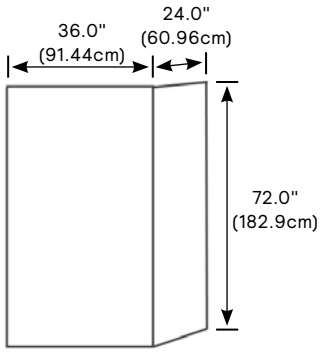
warranty

- Standard warranty: (requires execution of factory start-up within 120 days of shipment) Chloride will provide parts and on-site labor for the first 12 months following start-up of the product, and parts only for an additional 12 months. If factory start-up is not executed within 120 days of shipment, Chloride will provide a parts warranty for 12 months from the date of shipment.
- Extended warranty available: consult factory for extended warranty
  and service option.

CHT Synthesis Single Phase Uniterruptible Power Supply

1.5 KVA

dimensions

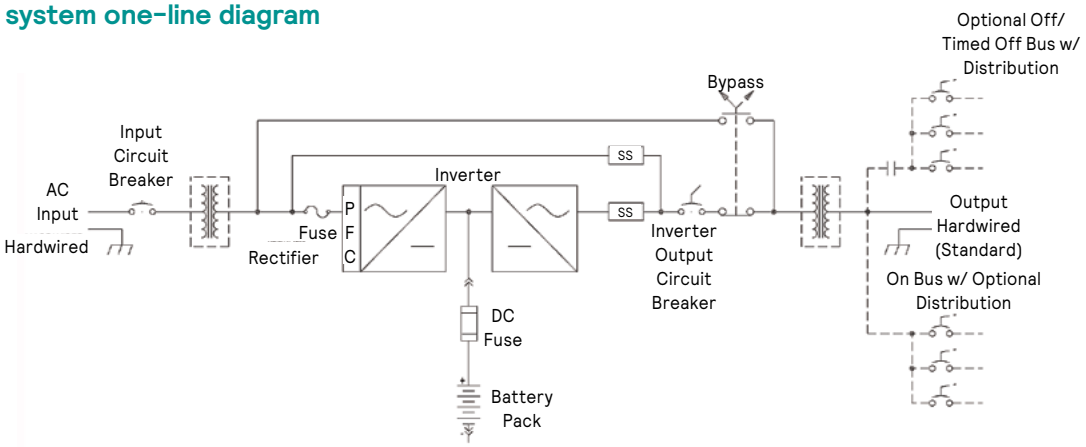


system input/output

System Rating (kW/kVA)	1.5
Input Volt. (V) : Input Curr. (A)	120 : 22.1 120/240 : N/A 277 : 9.8 120/208 : N/A
Output Volt. : Output Current*	120 : 12.5 120/240 : N/A 277 : 5.4 120/208 : N/A 120/277 : 12.5/5.4
OCB Pole Spaces Available	
Without Trip Alarm	20
With Trip Alarm	10
Heat Rejection (btu/hr)	716
Weight (lbs)	
Electronics	650
90 Min Battery	445
20 Min Battery	90
10 Min Battery	60

* Multi-voltage total loads not to exceed system rating.

system one-line diagram



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