





Project:	
Location:	
Cat.No:	
Type:	
Lamps:	Qty:
Notes:	

Example: CH2AA2.0S001X

CH2		2.0					
<u>Series</u>	Voltage Config. Input/Output	Unit Size	Battery Time	<u>Nol</u>	Oty Ckt Breakers	Oty Nol Ckt Breakers	<u>Options</u>
CH2 - Chloride Synthesis CI UPS System Emergency Lighting Applications	for JA – 277/120	2.0 – 2000 VA	S - 90 min X - 10 min Y - 20 min	0 - No 1 - Yes w/ TDT	01X - 1 OCB* 02X - 2 OCB 03X - 3 OCB 04X - 4 OCB	A - 1 B - 2 C - 3 D - 4 E - 5 F - 6 G - 7 H - 8 I - 9 J - 10 K - 11 L - 12 Z - None	FSU – Start-Up Service EXT- Extended Warranty ¹
Optimum oper	y available with FSU. ating temperature of batterie: bove 85°F (30°C) adversely im				* 1 OCB is standard, substitute corresponding designator for optional configurations.		

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:	NI	NI II	Toda Alam	
Qty: AC Volts: Amps:		Normally OFF	YES	NO 🗌
Qty:AC Volts: Amps	: ON 🗌	OFF	YES	NO 🗌
Qty: AC Volts: Amps	: ON 🗌	OFF	YES 🗌	NO 🗌
Qty: AC Volts: Amps	: ON 🗌	OFF	YES 🗌	NO 🗌
Options: FSU EXT				
Remarks:				



Synthesis Single Phase Uniterruptible Power Supply

2000 VA

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 inverter bypass switch.
- · 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.
- Single output circuit breaker is standard, additional circuit breakers (OCB) or circuit breakers with trip alarms (OCBA) can be added.
- · Optional normally off load (NOL) energizes only during power outage,
 - is user programmable from 0-15 minutes.
- Seismic anchoring compatible.
- Operating temperature range 32°F (0°C) to 104°F (40°C)2.
- · 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
 - high power factor compact fluorescent and high intensity discharge (HID) luminaries.
- · Provides conditioned, uninterruptible power for other types of
- · Consult factory for non-lighting load applications.

electronics - input

- · Input power factor correcting to 0.97.
- Frequency range 60 Hz, ±2.5 Hz.
- · Input harmonic current distortion < 5% THD.
- IEEE 587 ANSI C 62.41-1980 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 150% for 1 minute with utility power source

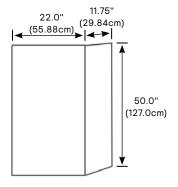
warranty

- Standard warranty: electronics warranty is 12 months from date of shipment. Battery warranty is 1 year full, 9 years prorata from date of shipment.
- · Extended warranty available: consult factory for extended warrantv and service option.

CH2 Synthesis Single Phase Uniterruptible Power Supply

2000 VA

dimensions



system input/output

System Rating	2000 VA
Input Voltage (V) : Input Current	120 : 26.4
	277 : 11.9
Output Voltage (V) : Output Current	120 : 16.6
	277 : 7.2
OCB Pole Spaces Available	
Without Trip Alarm	12
With Trip Alarm	6
Heat Rejection (btu/hr)	955
Weights (lbs)	
120 V with 90 min battery	534
277 V with 90 min battery	594
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