

## SNV CENTRAL INVERTER SYSTEM

### FEATURES AND SPECIFICATIONS

#### • Inverter

##### Input single phase

- Input voltage: 120, 208/120, 240/120, 277, 347, 480 or 600 VAC. 208/120V and 240/120V (2W+G) available on 14.5kW to 18kW models. 208/120V and 240/120V input starts at 3kW and up and requires a neutral (3W+G)
- Input frequency: Synchronize at 57.5 Hz to 62.5 Hz
- Input operating range: +10% to -15% or more, without battery usage
- Power factor: Self correcting to >0.97, approaching unity
- Input harmonics: Load generated harmonics are fully attenuated

##### Output single phase

- Output voltage: 120, 208/120, 240/120, 277/120, 347/120, 347 VAC
- Voltage regulation: +/-2%
- Output sine wave: Less than 3% VTHD under linear loading
- Overload rating: 125% for 2 minutes, 150% for 30 seconds
- LED inrush rating exceeds 1 100% peak for 4 mS, no need to oversize
- Power Factor: Unity rated
- Crest Factor: 3.0:1
- Transfer Times: Seamless no break, instantaneous
- True sign wave output
- Operates with incandenscent, flourescent, HID and LED lamp loads
- Operating Temperature: 0 to 40°C, agency approved
- Automatic Testing: Monthly at 30 second or 5 minutes plus full discharge yearly test. Optional load integrity test feature with INT optional monitor
- Warranty: 2 year parts and factory workmanship with factory start-up

#### • Battery

- Recharge time: <12 hours for 30 minutes backup time, 24 hours for 90 minutes backup time
- Charger: Four-stage, temperature compensated smart charger
- Standard battery: VRLA sealed, non spillable, 10 year life
- Bus voltage: 120 VDC typical
- Runtimes: 30, 60, 90, 120 standard, other times available
- Operating Temperature: 0 to 40°C, agency approved
- Warranty: 1 year full replacement, 14 years pro-rate

#### • Note

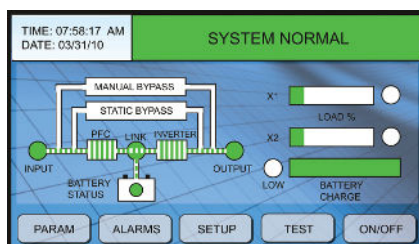
Maximum battery life will be achieved at a maintained 25°C ambient temperature. Stanpro Central Inverter Systems (CIS) uses On-Line technology to insure the highest reliability system for Life-Safety Emergency Lighting. Applications requiring 3-phase inverters may easily use the single phase Stanpro CIS providing the requirements are 18 kW or less. All voltages for single and three phase circuits are available. All models come with panel monitoring, remote alarm signals and automatic system testing/logging that exceed industry requirements. Optional metering with high graphic display, complete system electrical parameters, and load-integrity testing are available.



Cabinet B

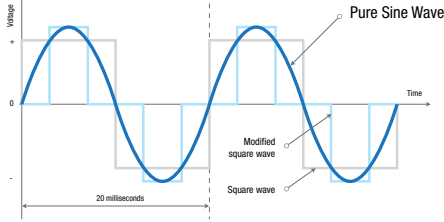


Cabinet C1 + C2



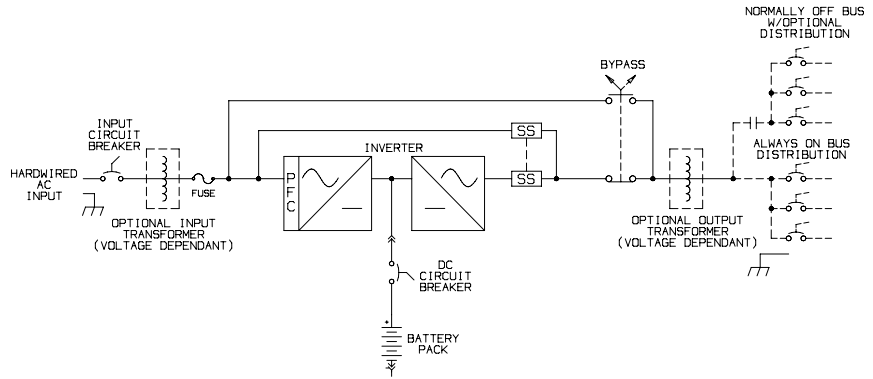
Optional monitor  
3 kW through 14 kW

Stanpro uses only Pure Sine Wave inverters  
 The most compatible wave form for LED and electronic ballasts.



**TYPICAL SINGLE PHASE  
 INVERTER SCHEMATIC  
 DOUBLE-CONVERSION  
 ON-LINE TOPOLOGY**

1.5 KW - 14 KW



Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions.  
 All products are subject to change or may be discontinued any time without notice.

## ORDERING GUIDE

Series runtime (minutes)	Input Voltage (VAC)	Capacity rating (W)	Output Voltage (V)	Optional Output Circuit Breakers (AMPS)		Quantity Output Breakers	Options
SNV30	A <sup>1</sup> - 120	1 000	A - 120	Normally ON	Normally OFF	01	MBS - Maintenance bypass switch
SNV60	BA <sup>4</sup> - 208/120	1 500	BA <sup>4</sup> - 208/120	015 - 15	F15 - 15	02	RAP - Remote annunciator panel
SNV90	CA <sup>4</sup> - 240/120	2 200	CA <sup>4</sup> - 240/120	020 - 20	F20 - 20	03	INT - Intellistat advanced digital monitoring
SNV120	C - 240	3 000	EA - 277/120	030 - 30	F30 - 30	04	BMN - Output breaker monitoring
	E - 277	3 500	HA - 347/120	040 - 40	F40 - 40	05	OFF - Normally off standby circuit
	H <sup>2</sup> - 347	4 200	AF - 120/230	050 - 50	F50 - 50	06	TOF - Timed off standby circuit
	K - 480	5 000	H - 347	060 - 60		07	SGS - Sprinkler guard shield
	S - 600	6 000				08	GA - General alarm
		7 000				09	RCS - Remote communication signals
		7 500				10	65kA - Optional system AIC rating
	8 500				11+ <sup>5</sup>	Seismic - Certified Seismic Kit 1.5kW to 14kW only	
	10 000						
	12 500						
	13 500						
	14 000						

NOTE1: 120V input maximum 5kW; NOTE2: 347V input starts at 4.2kW; NOTE3: Refer to the options section to determine quantity of breakers; NOTE4: 208/120V and 240/120V starts at 3kW

<sup>5</sup> Contact supplier for more details.

## CABINET GUIDE

Capacity Rating (W)	Inverter Cabinet	Battery Cabinet (30 min)	Battery Cabinet (60 min)	Battery Cabinet (90 min)	Battery Cabinet (120 min)
1 500, 2200, 3000, 3500	B	-	-	-	-
4200	C	-	-	-	C1
5000	C	-	-	-	C1
6000	C	-	-	C1	C1
7000, 7500	C	-	C1	C1	C1
8500	C	C1 <sup>1</sup>	C1 <sup>1</sup>	C1	C1
10000	C	C1 <sup>1</sup>	C1 <sup>1</sup>	C1	C1 + C1
12500	C	C1 <sup>1</sup>	C1	C2	C2
13500	C	C1 <sup>1</sup>	C1	C2	C1 + C1
14000	C	C1	C2	C2	C1 + C1

<sup>1</sup> No separate battery cabinet required for 208/120 V or 240/120 V input & output models.

Contact factory for foot print

## INVERTER CABINET

Cabinets	Width (in)	Depth (in)	Height (in)
B	36	24	72
C	36	24	24

## BATTERY CABINET

Cabinets	Width (in)	Depth (in)	Height (in)
C1	29	24	80
C2	36	27	80

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