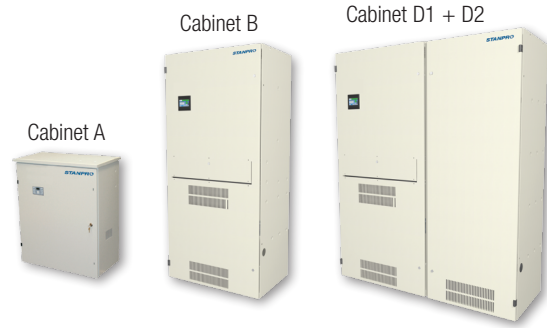


SNV

CENTRAL INVERTER SYSTEM Electrical Specifications



INVERTER

Input single phase:

- Input voltage: 120, 208/120, 240/120, 277, 347, 480 or 600 VAC
- 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
- Power Factor: Unity rated
- Crest Factor: 3.0:1
- Transfer Times: Seamless no break, instantaneous
- True sign wave output
- Operates with incandescents, fluorescent, 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

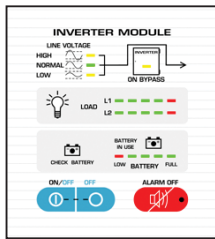
BATTERY

- 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: 120VDC 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

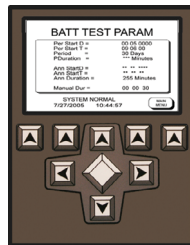
Note:

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 18kW 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.

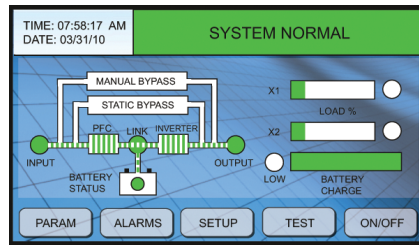
The SNV Central Lighting Inverter has a CCMC listing and Ministry's Ruling for BMEC. Manufactured 100% in North America.



Standard monitor
2.2kW through 14kW



Standard monitor
14.5kW through 18kW



Optional monitor
3kW through 14kW



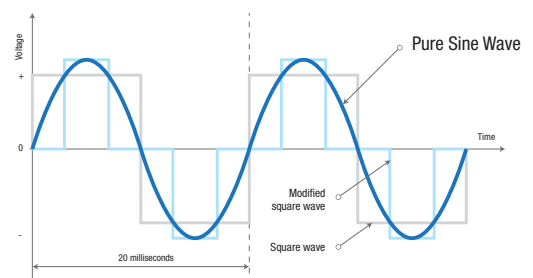
Standard LED Readout for
550w to 1500w Models

CABINET GUIDE

Capacity Rating (WATTS)	Inverter Cabinet	Battery Cabinet (30 min)	Battery Cabinet (60 min)	Battery Cabinet (90 min)	Battery Cabinet (120 min)
550, 1000, 1500	A	-	-	-	-
2200, 3000, 3500	B	-	-	-	-
4200	C	-	-	-	C1
5000	C	-	-	-	C1
6000	C	-	-	C1	C1
7000, 7500	C	-	C1	C1	C1
8500	C	C1*	C1*	C1	C1
10000	C	C1*	C1	C1	C1 + C1
12500	C	C1*	C1	C2	C2
13500	C	C1*	C1	C2	C1 + C1
14000	C	C1	C2	C2	C1 + C1
14500	D	D1	D1 + D2	D1 + D2	D1 + D2 + D2
16000, 1800	D	D1	D1 + D2	D1 + D2 + D2	D1 + D2 + D2

C1* = No separate battery cabinet required for 208/120 or 240/120v input & output models.

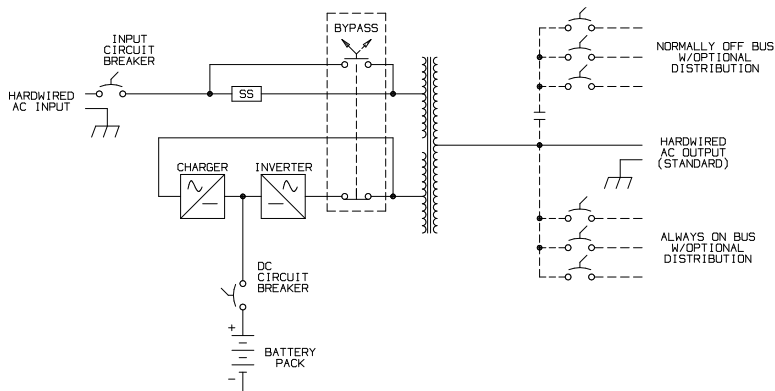
Stanpro uses only Pure Sine Wave inverters
The most compatible wave form for LED and electronic ballasts.



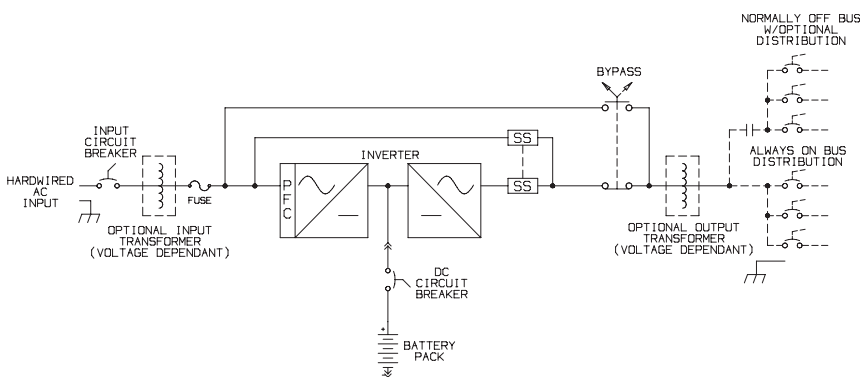
Inverter Cabinet			
Cabinets	Width	Depth	Height
A	31"	16.6"	39"
B	36"	24"	72"
C	36"	24"	80"
D	43"	24"	42"

Battery Cabinet			
Cabinets	Width	Depth	Height
C1	29"	24"	80"
C2	36"	27"	80"
D1	43"	24"	42"
D2	26"	24"	42"

**TYPICAL SINGLE PHASE
INVERTER SCHEMATIC
LINE INTERACTIVE TOPOLOGY**
550W - 1.5KW and 14.5KW - 18KW

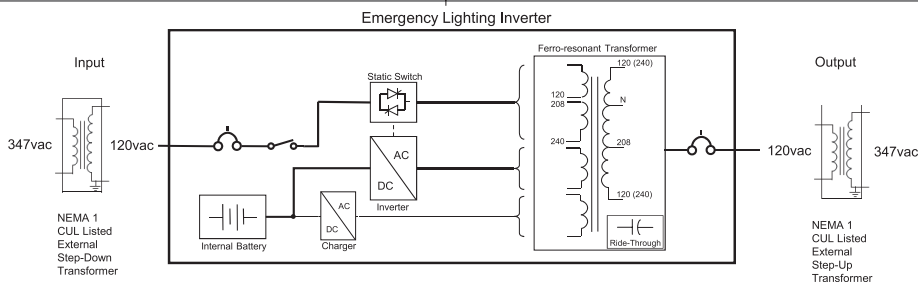


**TYPICAL SINGLE PHASE
INVERTER SCHEMATIC
DOUBLE-CONVERSION
ON-LINE TOPOLOGY**
600W - 14KW



**TYPICAL 347V
INVERTER SCHEMATIC**
for systems up to 3500W

347V operation with external step transformers.



SNV Model	Step-Up Transformer Rating	Inverter Output Rating
550W	2000W	520
1000W	2000W	950
1500W	2000W	1425W

Table 1

The SNV model inverter from 550W to 1.5kW is only available with 120V input/output. For lighting loads requiring 347V, an external transformer will be used on the input and/or output and supplied separately for the installation electrician to install. This will transform the voltage (Step up or Step down). The inverter final output capability is reduced by 5% as noted in Table 1.

ORDERING GUIDE

Series Runtime (MINUTES)	Input Voltage (VAC)	Capacity Rating (WATTS)			Output Voltage (VAC)	Optional Output Circuit Breakers (AMPS)		Quantity Output Breakers		Options†
		550 **	4200*	12500*		Normally ON	Normally OFF	01	11	
SNV30	A - 120V	1000 **	5000*	13500*	A - 120V	015 - 15A	F15 - 15A	02	12	MBS***, RAP, AMD, INT, BMN, OFF, TOF, SGS, GA *** MBS not available on 550W
SNV60	BA - 208/120V	1500 **	6000*	14000*	BA - 208/120V	020 - 20A	F20 - 20A	03	13	
SNV90	CA - 240/120V	2200**	7000*	14500*	CA - 240/120V	030 - 30A	F30 - 30A	04	14	
SNV120	C - 240V	3000**	7500*	16000*	EA - 277/120V	040 - 40A	F40 - 40A	05	15	
	E - 277V	3500**	8500*	18000*	HA - 347/120V	050 - 50A	F50 - 50A	06	16	
	H - 347V				AF - 120/230V			07	17	
	K - 480V				H - 347V			08	18	
	S - 600V							09	19	
								10	20	

† For detailed options descriptions, please consult the options page.