

Series Spec Sheet

SMV

PURE SINEWAVE FAST-TRANSFER MINI-INVERTER

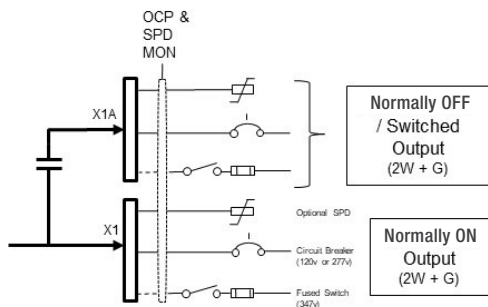
Presenting the SMV mini-inverter that covers 525 watts up to 2200 watts. Careful attention to the mixed design was required to satisfy the code intent and achieve a universal system.

The basic line in the sand on the differences needed starts at 1440 W. Equipment rated higher than this value is deemed to be a truly "Central" battery system that is intended to service multiple lighting circuits, and must have an audio-visual display center that meets alarm and status objectives. And with internal circuit distribution options, each distribution point must be monitored to acknowledge the loss of a circuit. Only with these key elements will you be code compliant.

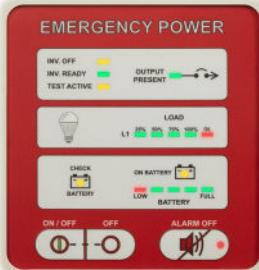
FEATURES AND SPECIFICATIONS

• Product Highlights

- Normally ON and Normally OFF / Switchable Outputs are standard, on all sizes.
- Wall Mount, Stand or Floor models available.
- Standard door display and Intelligent door display required at 1500 W and above.
- 30, 60, 90, 120 minute battery time for each power rating...no de-rating!
- Multiple output breakers or fused switches available, with monitoring.
- SPD (Surge Protection Device) option available when using 2 or more output distribution devices.
- 120, 277, 347 VAC Input-Output availability on all sizes.
- Sizes include: 525 W, 750 W, 1100 W, 1440 W, 1 500 W, 1 700 W, 2 000 W, 2 200 W.
- High Efficiency reaching 98.8%.
- Extremely fast switch times under 2ms, supporting all lighting types.
- Full Auto-testing with logs, time stamp and various reporting capabilities.
- Peak overload capability of 1500% to accommodate inrush current from LED fixture.
- Unique automatic weekly diagnostic checks - without battery use.
- 3-stage temperature compensated charger, with 12 hour recharge time.
- LVD (Low Voltage Disconnect) feature – Maximizes battery life if system shuts down and remains unattended.
- All cabinetry is NEMA 2 type, does not require sprinkler shielding.



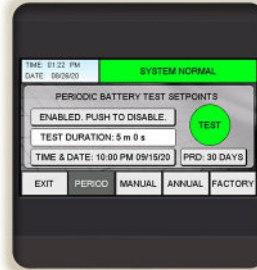
STD MONITOR



Standard Monitor

- Standard on all sizes
- LED Indicators
- Status and Alarm
- USB port for Alarm and Test Logs
- USB port for live parameters and system programming
- Weekly/Monthly/Yearly automatic self testing

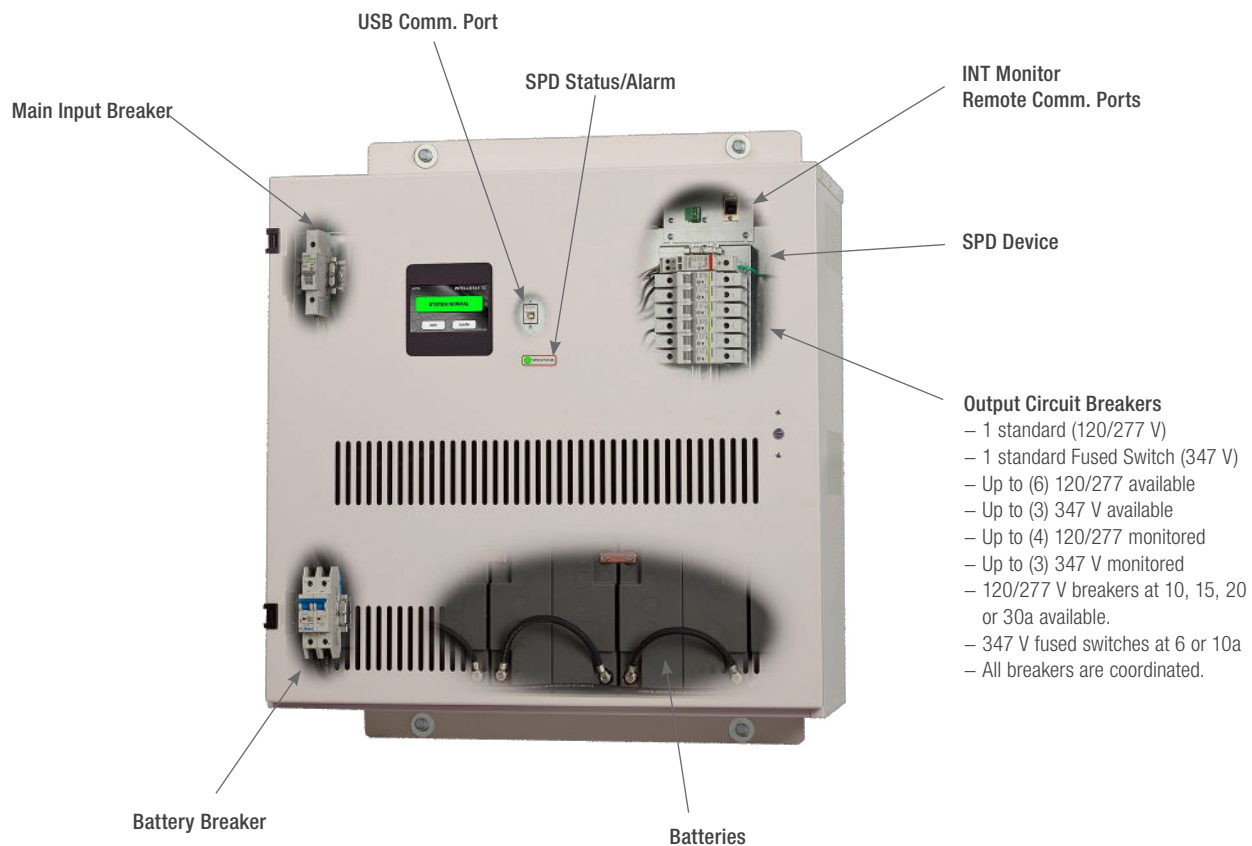
INT MONITOR



Intelligent Monitor

- Optional on all sizes
- Color Display with Touch Screen
- Banner Messages
- Functional Diagram
- Viewable Test and Alarm Logs
- USB port programming/recording
- Lamp Load Integrity Testing
- Remote Network Communications
- Meets A/V requirements for CSA
- Must be used in Canada for > 1440 W

PRODUCT LAYOUT



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. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.

CABINET DIMENSIONS

Wall-Mounted Units (525 W and 750 W units):	26.3"W x 11"D x 24"H
Floor-Mounted Units (1100 W units and above):	26.3"W x 11"D x 53"H

Weights (lbs)	Wall Mount				Floor Mount			
	30 min	60 min	90 min	120 min	30 min	60 min	90 min	120 min
525 ¹	140	158	216	N/A	160	178	236	292
750 ¹	140	216	216	N/A	160	236	236	292
1100	158	N/A	N/A	N/A	210	268	305	355
1440	216	N/A	N/A	N/A	268	305	355	452
1500	216	N/A	N/A	N/A	268	305	355	452
1700	216	N/A	N/A	N/A	268	331	385	452
2000	N/A	N/A	N/A	N/A	283	355	490	490
2200	N/A	N/A	N/A	N/A	283	355	490	630

¹ 525 W and 750 W weights include optional 24"H stand required for floor mounting. The above weights are based on 120 V models. Add 18 lbs for 277 V and 347 V models.

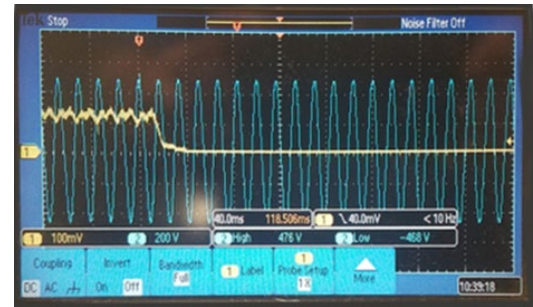
Runtimes	Wall Mount Units	Floor Mount Units
Watts	Runtime (Minutes)	Runtime (Minutes)
525 ¹	30/60/90/120	30/60/90/120
750 ¹	30/60/90	30/60/90/120
1100	30/60	30/60/90/120
1440	30	30/60/90/120
1500	30	30/60/90/120
1700	30	30/60/90/120
2000	N/A	30/60/90/120
2200	N/A	30/60/90/120

¹ 525 W and 750 W wall-mounted units are available with an optional 24"H stand for floor mounting.

Heat	BTU/HR		
Watts	120 V	277 V	347 V
525	61	85	85
750	65	92	92
1100	68	92	92
1440	78	92	92
1500	78	92	92
1700	85	92	92
2000	89	92	92
2200	92	96	96

The 525 W model does not use fans. The 750 W model uses one fan. All other models use 2 fans. In all cases, the fans will only operate when in emergency battery mode.

OUTPUT - PURE SINEWAVE



The above oscilloscope capture shows the output voltage (Blue Trace) against the input sensing signal (Yellow Trace). Less than 2ms Delay Time for Transfer.

ORDERING GUIDE

Series Runtime (Minutes)	Input voltage (V)	Rating (W)	Output breakers (amps)	Output fused switches ¹	Qty of output breakers	Mandatory options	Options
SMV30 SMV60 SMV90 SMV120	A - 120 E - 277 H - 347	525	Normally ON: 010 015 020 030 Normally OFF: F10 F15 F20	No fused switch - BLANK Normally ON - 06 Normally OFF - F06	01 02 03 ⁴ 04 05 ⁵ 06 ⁵		INT - Intelligent display BMN - Breaker or switch monitoring SPD - Surge protection 65KA - Optional system AIC rating RCS - Remote communication signals ⁶
		1500 1700 2000 2200					No fused switch - BLANK Normally ON ² - 06 010 Normally OFF ³ - F06 F10

¹ For 347 V input only.
² 06 for 1500 W. 10 for 1700 W to 2200 W.
³ F06 for 1500 W. F10 for 1700 W to 2200 W.
⁴ 03 max for 347 V.
⁵ 04 max for 120 V or 277 V units with monitoring option (/BMN).
⁶ RCS is only available with INT option.

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