samlexamerica®

Power Conversion
Products Since 1991

MOBILE POWER SOLUTIONS

Designed for Fleet, Utility, Emergency Response & Commercial Vehicles

samlexpower®

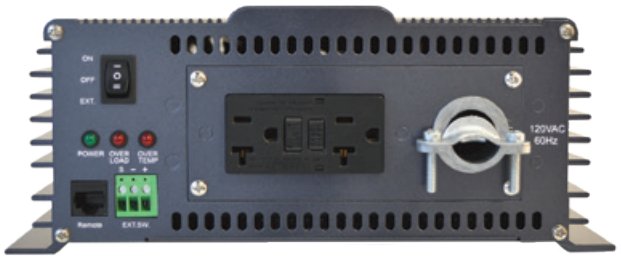
1-800-561-5885
samlexamerica.com

PST SERIES PURE SINE WAVE INVERTERS

Heavy-Duty Power

- Extended run-time
- Wide operating temperature range
- Ignition-ready remote switching
- Advanced battery protection

RC-300



Built for demanding fleet, service, utility, and emergency response applications, the PST Series delivers reliable pure sine wave power for sensitive electronics and essential onboard equipment. Designed for harsh environments, it helps maximize vehicle uptime and productivity.

MODELS: 120W - 3000W

12 VDC | 24 VDC | 48 VDC

3 YEAR LIMITED WARRANTY

MODELS

Model No.	Input (VDC)	Output Power (W)	Surge (W)	Weight (lbs)	Dimensions (inches)	Operating Temperature	Hardwire	Ignition ON/OFF	GFCI Protection
PST-120-12	13	120	-	1.0	4.13 x 7.44 x 1.2	32°F to 104°F			
PST-150-12	12	150	300	2.8	8.31 x 6.1 x 2.58	-4°F to 104°F			
PST-300-12†	12	300	500	3.46	9.69 x 6.1 x 2.58	-4°F to 104°F		•	•
PST-600-12†	12	600	1000	5.9	10.87 x 9.37 x 3.23	-4°F to 104°F		•	•
PST-1000-12HD*	12	2000	1000	8.33	13.11 x 9.37 x 3.23	-13°F to 131°F	•	•	•
PST-1000F-12†	12	1000	2000	8.8	15.63 x 9.37 x 3.23	-13°F to 131°F		•	•
PST-1500-12†	12	1500	3000	15.6	18.43 x 10.35 x 4.16	-4°F to 104°F	•	•	•
PST-2000-12†	12	2000	3500	15.6	18.43 x 10.35 x 4.16	-4°F to 104°F	•	•	•
PST-3000-12†	12	3000	6000	21.6	17.97 x 10.35 x 5.71	-4°F to 104°F	•	•	•
PST-150-24	24	150	300	2.8	8.31 x 6.1 x 2.58	-4°F to 104°F			
PST-300-24†	24	300	500	3.46	9.69 x 6.1 x 2.58	-4°F to 104°F		•	•
PST-600-24†	24	600	1000	5.9	10.87 x 9.37 x 3.23	-4°F to 104°F		•	•
PST-1000-24	24	1000	2000	8.8	15.63 x 9.37 x 3.23	-4°F to 104°F			•
PST-1500-24†	24	1500	3000	15.6	18.43 x 10.35 x 4.16	-4°F to 104°F	•	•	•
PST-2000-24†	24	2000	3500	15.6	18.43 x 10.35 x 4.16	-4°F to 104°F	•	•	•
PST-3000-24†	24	3000	6000	21.6	17.97 x 10.35 x 5.71	-4°F to 104°F	•	•	•
PST-600-48	48	600	1000	5.9	10.87 x 9.47 x 3.23	-4°F to 104°F			•
PST-1500-48†	48	1500	3000	15.6	15.63 x 9.37 x 3.23	-4°F to 104°F	•	•	•
PST-2000-48†	48	2000	3500	15.6	18.43 x 10.35 x 4.16	-4°F to 104°F	•	•	•
PST-3000-48†	48	3000	6000	21.6	18.43 x 10.35 x 4.16	-4°F to 104°F	•	•	•
RC-15A	Optional remote for 600 and 1000 Watt models. Power ON/OFF. LED indicators for overload, over temperature and power. 15' cable.								
RC-300	Optional remote for 1500W - 3000 Watt models. LCD indicates AC volts, AC amps, frequency, power (watts) and power factor. 25' cable.								

† Remote Input – Use to turn inverter ON or OFF with ignition start or any other Remote ON/OFF switch. | * Selectable LVD.
NOTE: PST-600-48 and PST-1500-48 are not ETL Safety Listed.

DC Installation Kits

The Right Connection. Every Time.

Pre-configured DC cable kits simplify inverter connections, reduce wiring time, and help ensure reliable system performance. Available for a wide range of Samlex inverter models.

KITS AVAILABLE:

For 600W - 4000W Inverters

NTX SERIES PURE SINE WAVE INVERTERS

Reliable Performance

- HyperSurge™ technology for motor loads
- High efficiency, compact footprint
- LCD remote with selectable low-voltage shutdown included (1000W and up)

The NTX Series provides clean, reliable AC power in a compact footprint. Ideal for work trucks, service vehicles, mobile workspaces, and sensitive electronics including CPAP machines.

NTX-RC

MODELS: 400W - 3000W

12 VDC

2 YEAR LIMITED WARRANTY

MODELS

Model No.	Input (VDC)	Output Power (W)	Surge (W)	Weight (lbs)	Dimensions (inches)	Operating Temperature	GFCI Protection
NTX-400-12	12	400	800	2.0	6.10 x 8.86 x 2.32	-13°F to 122°F	•
NTX-600-12	12	600	1200	2.4	6.10 x 10.0 x 2.32	-13°F to 122°F	•
NTX-1000-12	12	1000	2000	5.4	8.5 x 11.06 x 3.62	-13°F to 122°F	•
NTX-1500-12	12	1500	3000	7.8	8.5 x 13.11 x 3.62	-13°F to 122°F	•
NTX-2000-12	12	2000	4000	8.6	8.5 x 13.11 x 3.62	-13°F to 122°F	•
NTX-3000-12*	12	3000	6000	12.0	8.5 x 17.75 x 3.62	-13°F to 122°F	•
NTX-3000S-12	12	3000	6000	12.0	8.5 x 17.75 x 3.62	-13°F to 122°F	•
NTX-RC	Remote Control for use with NTX series included with models 1000W and up.						

* NEMA L5-30R locking AC outlet with mating plug included

SAM SERIES MODIFIED SINE WAVE INVERTERS

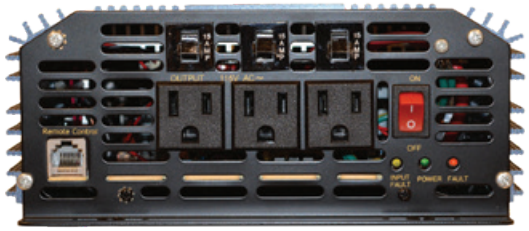
Everyday Mobile Power

- Compact and lightweight design
- USB charging capability
- Internal GFCI protection

The SAM Series provides dependable AC power for mobile electronics, tools, appliances, and recreational applications without the added cost of pure sine wave technology.

2 YEAR LIMITED WARRANTY

SAM-RC



MODELS: 100W - 3000W

12 VDC

MODELS

Model No.	Input (VDC)	Output Power (W)	Surge (W)	Weight (lbs)	Dimensions (inches)	USB Port	Number of Outlets
SAM-100-12*	12	100	200	0.30	2.36 x 5.08 x 1.44	•	1
SAM-250-12*†	12	250	500	0.92	4.5 x 5.9 x 1.8	•	1
SAM-450-12*†	12	450	900	1.30	6.1 x 6.0 x 2.2	•	2
SAM-800-12†	12	800	1600	2.91	7.0 x 8.6 x 2.4	•	2
SAM-1000-12	12	1000	2000	3.70	7.1 x 9.84 x 2.32		2
SAM-1500-12	12	1500	3000	7.10	7.95 x 11.14 x 3.3		2
SAM-2000-12	12	2000	4000	8.50	7.95 x 13.58 x 3.3		3
SAM-3000-12	12	3000	6000	11.80	7.95 x 16.53 x 3.3		3
SAM-RC	Remote Control for use with 1000W to 3000W models.						

* Comes with 12V power plug | † Comes with battery clamps

SMH SERIES MODIFIED SINE WAVE INVERTERS

High-Power for Demanding Loads

- 5000W continuous output with 10,000W surge capacity
- Up to 90% peak efficiency
- Ultra-low idle current consumption
- Compact, lightweight high-power design

Delivering 5000 watts of continuous power and a 10,000 watt surge, the SMH-5000X is engineered for high-demand mobile applications where power availability is critical. Its compact footprint, high efficiency, and low idle consumption make it ideal for commercial vehicles, service fleets, and mobile work environments.

MODEL: 5000W

12 VDC

2 YEAR LIMITED WARRANTY

MODELS

Model No.	Input (VDC)	Output Power (W)	Surge (W)	Weight (lbs)	Dimensions (inches)	Low Idle Draw	Number of Outlets
SMH-5000X-12	12	5000	10,000	14.33	9.05 x 13.6 x 5.3	<0.9A	**4**

BATTERY ACCESSORIES

BGW – Battery Voltage Protectors

Protect Batteries. Prevent Downtime.

- Prevents excessive battery discharge
- Programmable disconnect thresholds
- Protects electronics from over-voltage
- Waterproof IP66-rated construction

BGW Battery Voltage Protectors automatically disconnect non-essential loads before batteries become excessively discharged, helping extend battery life and keep vehicles ready to start.

WATER PROOF

MODELS: BGW-40, BGW-60, BGW-200 & BGW-400

2 YEAR LIMITED WARRANTY

ACR – Automatic Charge Separators

Automatic Dual-Battery Management

- Protects starting batteries from auxiliary loads
- Automatically manages dual-battery charging
- Eliminates manual battery switching
- Waterproof, ignition-protected design

ACR Automatic Charge Separators automatically charge both battery banks when power is available, then isolate the starting battery to prevent auxiliary loads from draining it.

WATER PROOF

MODELS: ACR-160 & ACR-300

2 YEAR LIMITED WARRANTY

BATTERY CHARGERS

SEC UL SERIES Battery Chargers

Intelligent Charging for Demanding Applications

- Multi-stage charging for all major lead-acid batteries
- Charges up to three battery banks simultaneously
- High-efficiency switch mode design
- Operates as a battery charger or DC power supply

Supports Flooded, AGM, and Gel Batteries

2 YEAR LIMITED WARRANTY

SEC UL Series Battery Chargers deliver fast, efficient charging for fleet vehicles, mobile equipment, backup power, and communications applications. Intelligent charging helps maximize battery performance while integrated protection ensures reliable operation.

MODELS

Model No.	Input	Output	Charging Current
SEC-1215UL	120 VAC	120 VDC	15 A
SEC-1230UL	120 VAC	120 VDC	30 A
SEC-2441UL	120 VAC	240 VDC	15 A
SEC-1250UL	120 VAC	120 VDC	50 A
SEC-2425UL	120 VAC	240 VDC	25 A
SEC-1280UL	120 VAC	120 VDC	80 A
SEC-2440UL	120 VAC	240 VDC	40 A
900-RC	For use with SEC-1250UL, SEC-1280UL, SEC-2425UL and SEC-2440UL.		

EVO® SERIES PURE SINE WAVE INVERTERS

Complete Power Conversion and Battery Charging

- Inverter, charger, and transfer relay in a single unit
- Simplifies installation with fewer components
- Supports all major battery chemistries
- Fully programmable operation
- High surge capability for demanding loads

The EVO® Series delivers reliable AC power, advanced battery charging, and seamless shore power transfer for fleet vehicles, specialty vehicles, and emergency response. Its integrated design simplifies installation and reduces system complexity.

EVO-RC-PLUS

MODELS: 1200W - 4000W

12 VDC | **24 VDC** | **48 VDC**

3 YEAR LIMITED WARRANTY

MODELS

Model No.	Input (VDC)	Output Power (W)	Battery Charger (A)	Weight (lbs)	Dimensions (in)	Operating Temperature	Hardwire	Ignition ON/OFF	GFCI Protection	Selectable LVD
EVO-2212	12	2200	100	59	12.79 x 16.77 x 8.15	-4°F to 140°F	•	•		•
EVO-3012	12	3000	130	64	12.79 x 16.77 x 8.15	-4°F to 140°F	•	•		•
EVO-2224	24	2200	70	57	12.79 x 16.77 x 8.15	-4°F to 140°F	•	•		•
EVO-4024	24	4000	110	64	12.79 x 16.77 x 8.15	-4°F to 140°F	•	•		•
EVO-2212E	12	2200	100	59	12.79 x 16.77 x 8.15	-4°F to 140°F	•	•		•
EVO-3012E	12	3000	130	64	12.79 x 16.77 x 8.15	-4°F to 140°F	•	•		•
EVO-2224E	24	2200	70	57	12.79 x 16.77 x 8.15	-4°F to 140°F	•	•		•
EVO-4024E	24	4000	110	64	12.79 x 16.77 x 8.15	-4°F to 140°F	•	•		•
EVO-1212F	12	1200	60	38.8	12.76 x 16.34 x 5.83	-4°F to 140°F		•	•	•
EVO-1212F-HW*	12	1200	60	38.8	12.76 x 16.34 x 5.83	-4°F to 140°F	•	•		•
EVO-1224F	24	1200	40	38.8	12.76 x 16.34 x 5.83	-4°F to 140°F		•	•	•
EVO-1224F-HW*	24	1200	40	38.8	12.76 x 16.34 x 5.83	-4°F to 140°F	•	•		•
EVO-4248SP	48	4200	60	64	12.8 x 16.3 x 8.35	-4°F to 140°F	•	•		•
EVO-RC-PLUS	Optional Remote Control for use with all EVO® Inverter/Charger models			0.6	4.5 x 6.3 x 1.4	-4°F to 140°F				

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