

12 V POWER INVERTERS

S1800 - S2500 - S3000

OPERATING GUIDE — TO BE LEFT IN VEHICLE



DC/AC POWER INVERTERS



A power inverter is an energy conversion device that **MUST** be taken seriously and that **MUST** be used with great caution. **It must never come into contact with water or any other liquid.**



Starting cycle: When the inverter starts, it beeps once and the fan runs for 1 second.



The inverter is equipped with a **thermostatic fan** that only works when necessary.



Alarm: An alarm will sound if the inverter detects an error or if the battery voltage has reached a critical discharge level of 10.5 V.



Automatic restart: If the inverter shuts down for protection, it will restart automatically once the situation returns to normal.

INVERTER

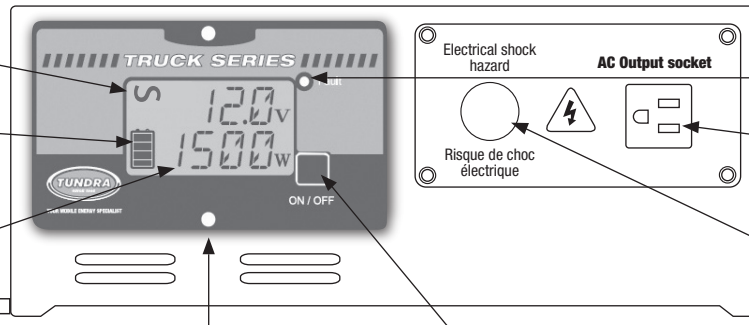
MONITOR

Sine wave type

Battery state of charge

Power supplied by the inverter

Accessories with a consumption of less than 50 W may not be displayed by the inverter.



Detachable control panel

The control panel can be detached and relocated.

ON/OFF switch:

Turns power ON or OFF remotely

Red indicator light: Error

120 V outlet
Maximum of 15 A

120 V hard wire outlet
Maximum output capacity

TROUBLESHOOTING

ERRORS	ALARM	CAUSE(S)	SOLUTION(S)
	Intermittent: Critical discharge level Constant: Shutdown	<ul style="list-style-type: none"> Discharged batteries Inadequate installation Maintenance required 	<ul style="list-style-type: none"> Recharge the batteries The inverter will restart automatically when battery voltage reaches more than 13.2 V for at least 2 sec.
	Intermittent	<ul style="list-style-type: none"> Excessive power consumption 	<ul style="list-style-type: none"> Disconnect devices Run one device at a time The inverter must be shut down and restarted manually to clear the error code.
	Constant	<ul style="list-style-type: none"> Environment too hot Insufficient airflow 	<ul style="list-style-type: none"> Let the inverter cool down The inverter will restart automatically when the temperature returns to normal.
	Constant	<ul style="list-style-type: none"> Defective alternator 	<ul style="list-style-type: none"> The alternator needs service The inverter will restart automatically when battery voltage drops below 14.5 V for at least 2 sec.

MAINTENANCE

The inverter requires periodical maintenance to ensure its proper operation:

- The battery compartment and the top of the batteries should always be as clean as possible to avoid accidental and unnecessary discharge cycles.
- The environment around the inverter should be cleaned regularly to prevent dust accumulation inside the circuits.
- The 12 V input bolts should be checked regularly.
- Twice a year, the cable terminals on the batteries and the fuse must be disassembled and cleaned to remove harmful deposits.
- The cables between the inverter and the batteries should be inspected regularly to detect damage and/or cracks.

SAFETY FIRST

Do not carry out maintenance tasks if you don't have the knowledge and skills required.



Detailed manuals are available at tundrainverters.com



For additional support,
1-877-964-2582 or 450-649-2470