



# Abso Inverter-Charger 3000W

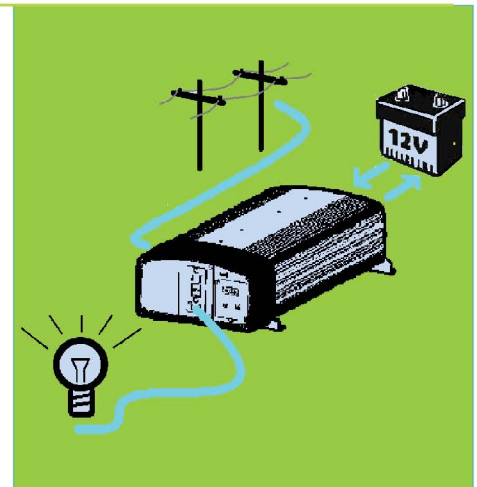
Deluxe Inverter/Charger for emergency, commercial and recreational vehicles

## 3000W Sinewave Inverter with 150A Charger



### Convert Battery Power to Household AC Power and Recharge your batteries

- Run your household appliances in your truck, boat or RV
- Premium sinewave output to run motor loads and sensitive electronics
- Multi-stage charger will charge your deep cycle batteries quickly and efficiently
- Integrated transfer switch allows you to switch seamlessly from shore power to battery power
- System remote provides vital system information



### Abso Inverter/Charger features & benefits

- Low frequency design with high surge capability to start demanding loads
- True sinewave output will run heavy-duty motor loads and entertainment systems flawlessly
- Regulated output
- Low battery shutdown to prevent total battery discharge
- Silent operation
- Over temperature shutdown
- Includes system remote panel
- Approved to UL, CSA, and European regulatory standards

### Dimensions: (W x L x H):

15.4" x 13.4" x 12.5"  
(392mm x 340mm x 317mm)

### Weight:

59.4lb (27kg)

# Abso Inverter-Charger 3000

## Deluxe Inverter/Charger for emergency, commercial and recreational vehicles

Inverter	IC 1230150	IC 1230150i
Output Power (Continuous)	3000W	
Output Power (Surge)	6000W (5 seconds)	
Output (Voltage / Frequency)	120 VAC/60 Hz	230 VAC / 50 or 60Hz
Peak Output Current	80A	40A
Output Waveform	True Sine Wave (<3% THD)	
AC Connections	Split phase in / Dual out, Dual in/ Dual out	
Peak efficiency	90%	
No-load battery draw	< 3A (nominal), < 1A with load sense	
Load Sense Setting	< 100W (user selectable)	
DC Input Voltage (nominal)	12.5 Vdc	
DC Input Operation Range	10.5 - 15.5Vdc	
Input Undervoltage Warning/Shutdown	11.2Vdc / 10.5Vdc	
Input Undervoltage Recovery	11.8Vdc	
Input Overvoltage Shutdown	15.5Vdc	
Output Power Warning/Shutdown	Warning/Error code	
Output Short Circuit Protection	Error code	
Temperature Warning/Shutdown	Warning/Error code	

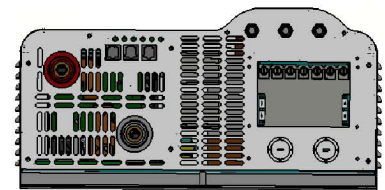
Charger	
Charge Voltage Range	14.2 - 15.5 V
Float Voltage Range	13.4 - 13.8 V
Equalize Voltage	16.0 V
Charger current (Maximum)	150 A
Charger current setting (Automatic)	Charger current maximized to AC input source
Charge Control	Three stages (Bulk/Absorption/Float) with manual equalize
Charging Battery Type	Gel, Flooded, AGM, Lithium
Charge Temperature Compensation	Battery Temperature Sensor (optional)
AC Input Voltage/Frequency	120 VAC/60 Hz      230 VAC / 50 or 60Hz
AC Input Voltage Range	85 - 140 VAC      180 - 265 VAC
Charger Efficiency	> 85%
AC Input Power Factor (maximum charge)	0.98 typical
Dead Battery Charging	> 3 Vdc

Display	
Display Panel	External, connect through RJ11 port
Inverter Mode	Input Voltage/Current, Output Power
Charger Mode	Charging status, Battery Voltage
Warning and Fault Code	Yes
LED Indicator	Yes (Invert, Standby, Charging)

AC Transfer	
Transfer time	< 20 ms
Transfer Relay(s)	30A      30A
AC Input connection	Hardwire Heavy Duty Connector
AC Input Source Setting	15, 20, 30A      10, 15, 20A
AC Input and Output Port 1	30A transfer relay, no inverter back up
AC Input and Output Port 2	30A transfer relay, with inverter back up
AC Output Socket Panel (optional)	20A GFCI      Euro, Australia, UK

Operating Temperature	
Storage Range	-40° to 70° C ( -40° to 158° F)
Operating Range	-20 to 60 °C (-4 to 140 °F) derated linearly from 40 to 60 °C (104 to 140 °F)

Regulatory Compliance	
Standards	UL 458 marine,      CE LVD CSA C22.2 No. 107.2-01
EMI/EMC	FCC part 15 class A      CE EMC



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