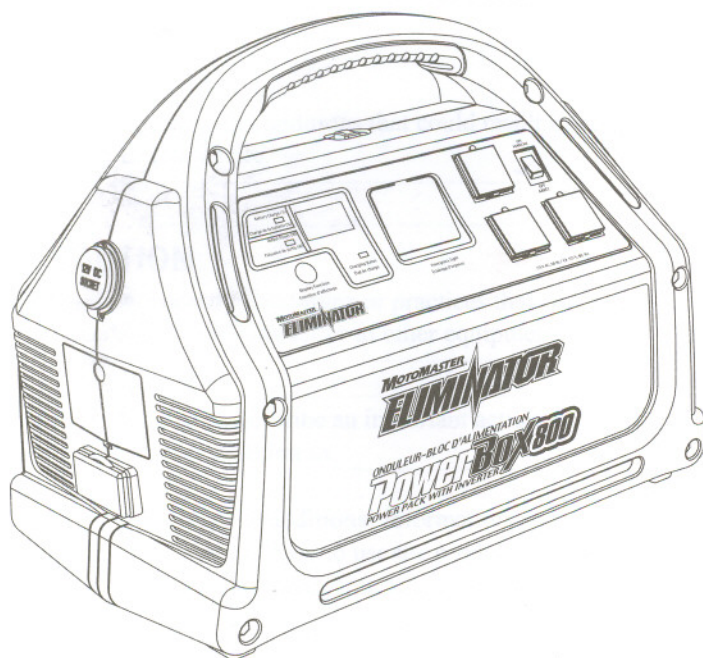


MOTOMASTER ELIMINATOR

Owner's Manual

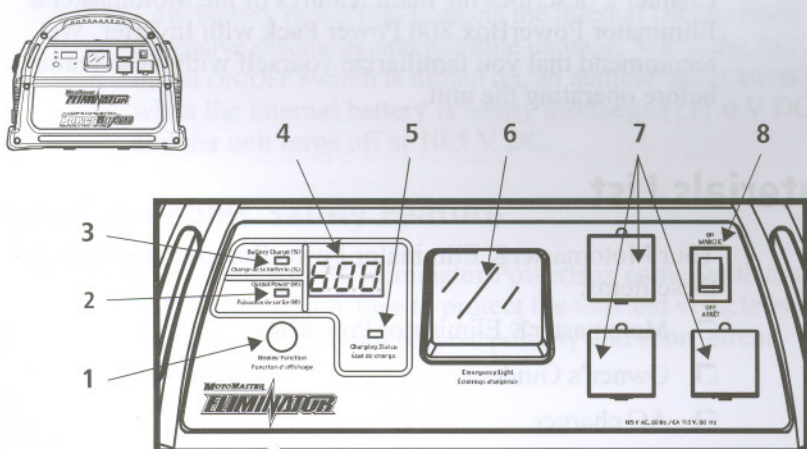
PowerBox Power Pack with Inverter 800 A/600 W

11-1823-0



Motomaster® Eliminator PowerBox Features

Front Panel Detail



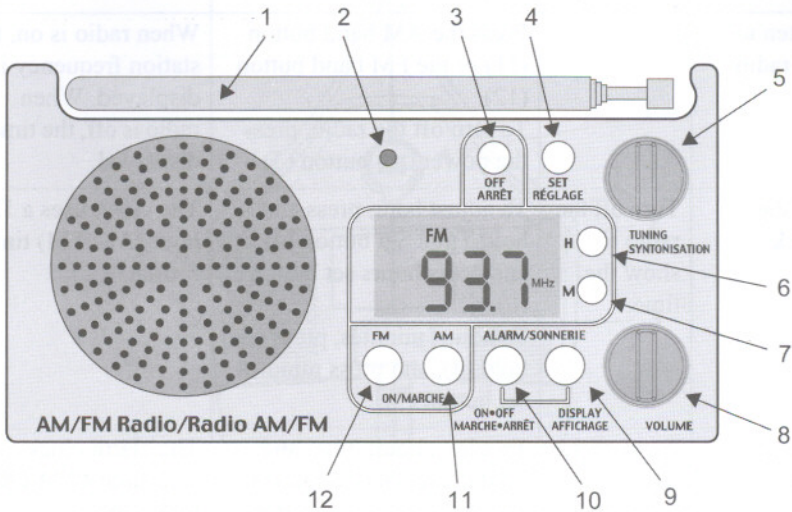
Front Panel Features

Feature	Description
1	Display Function button, when pressed, allows for reading Battery Charge status on the Digital Display . Toggles Digital Display's power ON/OFF.
2	Output Power (W) light illuminates (green) when Output Power information is displayed on the Digital Display .
3	Battery Charge % light illuminates (green) when Battery Charge information is displayed on the Digital Display .
4	Digital Display displays the inverter's Output Power in W and Battery Charge status in % FULL.

Motomaster® Eliminator PowerBox Features

Feature	Description
5	Charging Status light illuminates when the Motomaster® Eliminator PowerBox is in Charging Status mode (i.e. AC Charger is connected to the inverter's Charger Input Socket and plugged into the household 120 V AC outlet).
6	5 W incandescent light illuminates for about 40 hours when the battery is fully charged.
7	3 AC Outlets are standard 3-prong outlets supplying 120 V AC power for running an AC appliance.
8	AC Outlet ON/OFF switch illuminates when the switch is turned on.
Not shown	Audible Alarm (inside the unit) sounds in the event of overheating or low battery protection on inverter.

AM/FM Radio with Digital Alarm Clock



Radio and Clock Features

Feature	Description
1	FM antenna
2	Frequency indicator light
3	Power OFF button
4	Time set button
5	Tuning dial
6	Hours set button
7	Minutes set button
8	Volume dial
9	Alarm set button
10	Alarm clock ON/OFF button
11	FM band button/ON
12	AM band button/ON

A Specifications

Electrical Specifications

12 V DC Section	
Internal battery type	sealed, AGM (Absorbed Glass Mat) lead acid
Internal battery voltage (nominal)	12 V DC
Internal battery capacity (minimum)	28 Ah
Internal battery CCA rating	280 CCA
DC Power Socket (maximum continuous load)	12 A with automatic reset
Built-in incandescent light (replaceable)	5 W bulb
Boosting cable port	50 A
Boosting fuse (external—user replaceable, replacement part # 066-0191)	250 A

Table 5-1 Troubleshooting

AC Power Section	
Output power	
• Continuous output power	480 W
• Five minute AC output power	600 W
• AC output surge capacity	960 W
Output voltage	115 ± 10 V AC RMS
Output frequency	60 Hz ± 1 Hz
Output wave form	modified sinewave
No load current draw	<0.4 A DC
Input voltage range	10.5 to 15.0 V DC
Low battery alarm	11.0 V DC
Low battery shutdown	10.5 V DC
High battery voltage shutdown	Yes, automatic reset
Over temperature shutdown	Yes, automatic reset
Overload shutdown	Yes, automatic reset
AC output short circuit protection	Yes, automatic reset
Fuse (internal)	2 × 25 A or 1 × 50 A
Operating temperature range	0 – 40°C (32 – 104°F)
Storage temperature range	0 – 30°C (32 – 86°F)

Internal Battery Charging Controller System	
AC charger bulk charging current	1.0 A
Peak charging voltage (nominal)	14.2 V
Charge restart voltage (nominal)	12.9 V
Float charge after full charge is completed (nominal)	1 mA
AC charger input socket maximum current	2.5 A

Radio	
AM Frequency	526 – 1606 KHz
FM Frequency	87 – 105 MHz

Accessories	
Boosting cables (replacement part # 449-0207-01-01)	24" (0.61 m), 6 AWG wire with black and red battery clamps
DC charge cable (replacement part # 449-0187-01-01)	39" (1 m) 18 AWG with male-to-male lighter plugs
AC charger input (replacement part # 074-1004)	120 ± 10 V AC, 60 Hz

Physical Specifications

Depth	8" (20.3 cm)
Width	16" (40.8 cm)
Height	9 ½" (24.1 cm)
Weight	23 lb (10.5 kg)

Important: All specifications are subject to change without notice.