END IDLING
IN YOUR FLEET

ENGINES CAN'T POLLUTE AT ZERORPM®
IDLE MITIGATION SYSTEMS®

SYSTEM BENEFITS:

- IMPROVE OPERATOR SAFETY
- ENGINE-OFF AIR CONDITIONING
- REDUCE OPERATING COST
- PROTECT THE ENVIRONMENT
- LIGHT WEIGHT
- SMALL FORM FACTOR

PM 100-12 ID

The PM 100-12 ID is a safe and space efficient solution when you want to add 12V-lithium power to your vehicle. This module is designed to power lights, radios, computers, inverters and other electronics with your engine off. Power Modules may be added in parallel to increase the run time of your system. The PM 100-12 ID uses lightweight *lithium-iron batteries. This chemistry makes our battery technology among the safest on the market. This unit can be charged using 12V power from an alternator, solar panels, or other 12V power source.

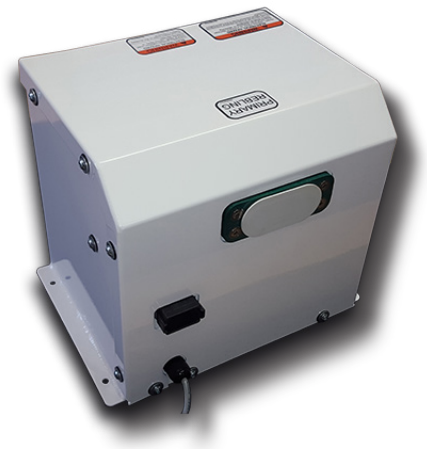
Note: This product requires other ZeroRPM IMS components. Reference ZeroRPM.com/systems for more information.

***"Lithium-Iron" is marketing term for ZeroRPM's LiFeMnPO4 packaged energy storage systems.**

SPECIFICATIONS:

Total Energy	1.28 kWh
Usable Energy	1.02 kWh
Current Limit Export	285A @ 100% Duty Cycle @12V
Export Voltage	12V-14.1V
Charge Voltage	12V-14.2V
Nominal Voltage	12.8V
Battery Chemistry	Lithium-Iron (LiFeMnPO4)
Internal Fuse Rating Battery Protection (Slow Blow)	300A
Product Housing Material	Powder-coated Aluminum
Weight	41.5 lbs / 18.8 kg
Charging Temperature Range*	32°F to 140°F / 0°C to 60°C
Discharge Temperature Range*	-4°F to 150°F / -20°C to 65.6°C

*Temperatures are based on software versions 4.94.00 and later with battery SOC of >40%.



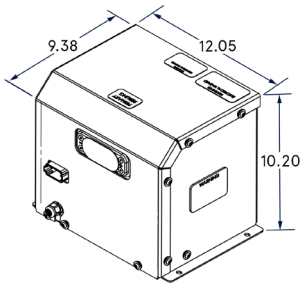
Ask for ZeroRPM® Idle Mitigation Systems® WHERE you purchase your fleet vehicles!

END IDLING
IN YOUR FLEET

PM 100-12 ID

ALL DIMENSIONS ARE IN INCHES

OVERALL DIMENSIONS



SIGNAL CONNECTION

12 PIN
BATTERY MANAGEMENT CONNECTOR

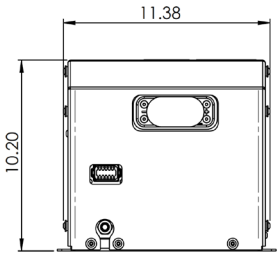
POWER CONNECTION

12V POWER
2-CABLE REBLING CONNECTOR

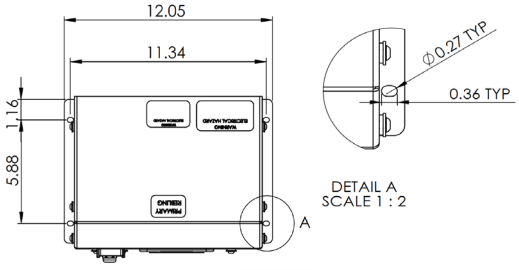
FOR WIRING OF THE SYSTEM PLEASE REFERENCE THE SYSTEM SCHEMATIC

4-6" CLEARANCE NEEDED FOR CONNECTIONS

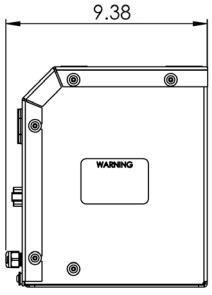
FRONT



TOP



SIDE



PRODUCT NOTES:

-Storage temperature: -4 °F to 149 °F / -20 °C to 65 °C.

-The unit must be mounted securely and upright.

-In shipping or storage, do not stack more than one product on top of one another (i.e. two unit stack maximum).

-The unit must be mounted so the lid is removable.

-The unit must be mounted as closely to the loads and supply as possible.

-If the unit has been in storage for more than 90 days, the voltage must be checked to ensure that the batteries have not discharged past the acceptable threshold.

-There must be adequate provisions for drainage below the unit to prevent flooding.

-There must be at least 6" of clearance on the right side of the unit for the main power connectors.

-The unit must be mounted either in open air or in a well-ventilated compartment. In extreme hot or cold environments, it is ideal to mount the unit in a temperature controlled compartment.

-The unit must be mounted with vibration-dampening material. The material must be installed between the unit's feet and the mounting surface.

-Exporting at maximum current for an extended amount of time will substantially reduce the life of the battery pack.

-Do not put the unit on its side or upside down without written approval from ZeroRPM.

-Do not extend the current shunt wires (if current shunt wires are present).