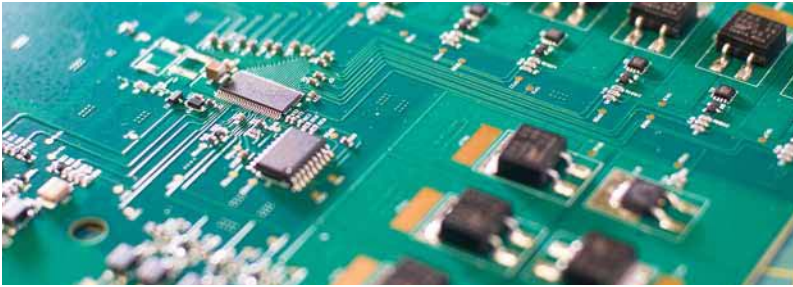


eCAMION'S SMART INTELLIGENT CONTROLS



PROPRIETARY SMART BATTERY MANAGEMENT SYSTEM (BMS):

- ✓ Master controller monitors the system and has appropriate safety redundancies
- ✓ Each battery module is analyzed, monitored and optimized for;
 - State of Charge (SOC)
 - Cell Capacity
 - Voltage
 - Temperature
 - Current
 - Efficiency
- ✓ Cell balancing
- ✓ Fast switching between Charge/discharge
- ✓ Protections against under/over-voltage, temperature and over currents
- ✓ Safety protocols with safety alarms and shutdowns
- ✓ Web based and Ethernet ready
- ✓ Designed and configured to work smoothly with Control, Protection Power Management units



CONTROL, PROTECTION POWER MANAGEMENT (CPPM):

- ✓ Modular unit to that has built in intelligence to manage Energy Storage system, Inverter system and grid-controls
- ✓ Unified hardware-software architecture that encompasses strategies and the corresponding intelligence to manage Community Energy Storage (CES) unit.
- ✓ Chooses CES mode of operation based on the battery State Of Charge (SOC) and distribution grid immediate and longer-term (few hours) needs
- ✓ Can be customized with off-the-shelf hardware platform depending on the customers requirements
- ✓ Has operational clearly defined modes at different speed (slow to fast) depending on the grid and the type of Inverter.

WARRANTY:

All smart energy storage units are warranted. As our units are usually customized we determine warranties based on the expected number of years service and other considerations.



OUR SERVICES:



- ✓ Financing
- ✓ Custom Design
- ✓ Engineering Services
- ✓ Project Management
- ✓ Installation
- ✓ Warranty and Maintenance

For more information contact:

Hari Subramanian, CEO
hari.suthan@eCAMION.com
(647) 534-1833

Nicholas Fincham
Sales and Marketing Director
n.fincham@eCAMION.com
(416) 318-1901

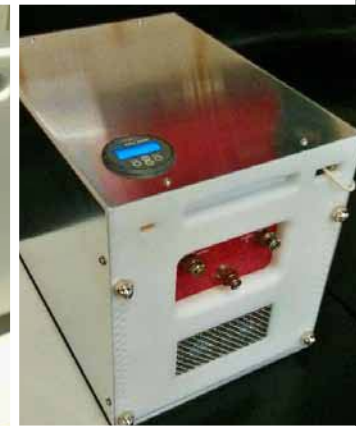
eCAMION Inc.
226 Esna Park Drive,
Unit #1, Markham, Ont, Canada
L3R 1H3

Phone: 905-604-6460
Fax: 905-604-9122

www.ecamion.com

SMART ENERGY STORAGE

LINCHPIN OF THE NEW ENERGY ERA



ecamion.com

ABOUT eCAMION

eCAMION is a leading turnkey solution provider for Smart Energy Storage and we contribute to creating a healthier environment. eCAMION specializes in the integration of battery solutions with intelligent advanced controls for utilities, anti idling and auxiliary power applications.

CES POWERED BY LITHIUM BATTERIES



CES POWERED BY REPURPOSED VEHICLE BATTERIES



We design safe smart energy storage units to meet the most demanding applications. All of our units are modular and scalable by optimizing new battery chemistries as well as repurposed vehicle batteries. Each unit has an integrated Battery Management System (BMS), advanced electronics and intelligent controls to maintain its safe operation

APPLICATIONS:

- ✓ Supporting aging infrastructure and improving asset utilization
- ✓ Distributed generation and integration of renewables
- ✓ EV infrastructure
- ✓ Power quality and demand response
- ✓ Back up power for critical buildings
- ✓ Auxiliary power systems for Police, EMS and Utilities

COMMUNITY ENERGY STORAGE FOR UTILITIES



eCAMION designs CES units which are the perfect fit for Utility infrastructure, Independent Power Producers, and Commercial & Industrial End Users. We protect critical loads and operations during electricity disruptions (e.g. outages). The applications include:

- Energy efficiency** – power factor correction, and reduced losses
- Demand management** – shaving off peak demands
- Renewable integration** – facilitate the connection of clean energy into building operations, including voltage regulation, buffering of intermittency, and ensuring green electricity is locally consumed
- Facilities expansion** – supporting load growth in local facility without requiring capacity upgrade from the utility company

- Time of use** – peak shaving and valley filling based on TOU periods
- Frequency regulation** – Volt / VAR optimization, grid stability and power quality
- Electric vehicle charging** – supporting fast charging of electric vehicles without requiring facility or utility capacity upgrades
- Future applications** – Demand Response, backup power and microgrids



eCAMION COMMUNITY ENERGY STORAGE SYSTEM ADVANTAGES:

- ✓ Innovative padmount designs including patent pending module and cooling
- ✓ Grid support for up to 150 homes for 3 hours
- ✓ Flexible and scalable module design from 75kWh to 250kWh and up to 1MW
- ✓ Intelligent BMS and controls with utility grid integration and coordination that automate the CES' operations based on local utility grid conditions

"The technology will benefit Toronto Hydro's distribution grid and set a precedent for the industry as a whole"
Ivano Labricciosa, Vice President of Asset Management, Toronto Hydro

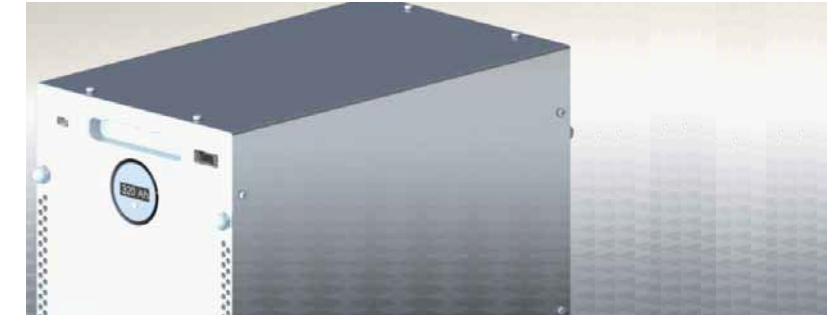
ANTI IDLING AND AUXILIARY POWER TECHNOLOGIES

eCAMION is committed to reduce harmful emissions and contribute to a healthier environment. We design anti idling and auxiliary power systems, using Smart Energy Storage units for any type of heavy-duty fleet vehicle

POLICE: 14.8V/2.35 kWh/159 Ah



AMBULANCE: 14.8V/4.7 kWh/320 Ah



UTILITY TRUCK: 14.8V/7.1 kWh/480 Ah



BENEFITS:

- ✓ Payback in under 1 years
- ✓ Substantial operating and fuel costs reduction
- ✓ CO² and harmful emissions reduced
- ✓ Shore Power charging or Alternator
- ✓ Complete functionality
- ✓ Reduced Noise Pollution
- ✓ Rugged design
- ✓ Solar Power recharging optional