

# INITIO

## INITIO<sup>®</sup> digital propulsion system

INITIO<sup>®</sup> Digital propulsion system combines a electronic motor control, a 6 Kw battery charger, a monitoring and management battery system, and a digital display with LCD screen. The system pairs with the latest generation lithium polymer battery inside a watertight, air cooled case.

INITIO<sup>®</sup> system uses digital electronics to control energy that discharges into an electric motor through state of the art power modules, combined with algorithms and signal processing developed specifically for this application. The battery charger capable of recharging a 6 Kw pack (more than 100km city range with a motorcycle) in approximately 1 hour, plugged into a standard, home outlet. This charger pairs with a battery monitoring and management system, that senses and balances each of the cells, providing a long lifespan and better performance to the entire system.

### Applications

- *Traction systems for transport vehicles:*
  - motorcycles
  - cars
  - light utility trucks
  - buses
  - trucks.
- *Traction systems for recreational vehicles:*
  - ATV's
  - boats and power boats
  - go karts
  - quadcopters and other personal flying vehicles
  - race cars and motorbikes
  - child recreational vehicles
- *Traction systems for industrial hardware:*
  - servomotors and drivers for CNC machinery
  - systems for eolic and hydro generators
- *Robotics.*

### SPECIFICATIONS

<b>Adjustable power</b>	+300 Hp
<b>Adjustable charging power</b>	6 Kw
<b>Integrated BMS</b>	
<b>Vector and flux weakening control</b>	
<b>Rs232 and CAN communication</b>	
<b>Zero emissions</b>	
<b>Very low operating noise</b>	
<b>Low weight and small volume</b>	

