

# PREMIER CONTROLLER

## E22000 SERIES

### FUNCTIONAL DESCRIPTION

Liber-T Medtech Premier Controller has 200 Amps of current output. That is more than twice the rating of standard controllers. Moreover, this controller integrates unique innovative patent pending features which are only available on Liber-T Medtech controllers.

We are proud to say that Liber-T's Premier Controller was the first to integrate the Auto Setting of Armature Resistance and the unique Zero Roll Back software algorithm better known as the "Zilch" feature.

The Premier Controller ensures a smooth stop of the wheelchair controller, precise load compensation logic that assures constant speed on variable terrain even at low speed. In the case of fault detection, the Premier ensure a smooth safety stop of the wheelchair.



### SPECIFICATIONS

- 4 Programmable Outputs;
- 5 Programmable Inputs;
- Digital Hour Meter;
- Heat Sink Design for Maximum Thermal Dissipation;
- Real Time Clock;
- Real Charge Battery Algorithm;
- Regenerative Braking System;
- Fully Programmable;
- Detailed Diagnostics with up to 1200 faults Record & Display;
- Over Current & Over Voltage Supervision;
- Reverse Polarity Protection;
- Designed to ISO7176/14/21;
- Supply Voltage:..... 24V<sub>nom</sub> (16V-32V)
- Operating Range:..... -25°C to 50°C
- Ingress Protection:..... IP55
- Thermal Limit:..... 85°C
- PWM Frequency:..... 20kHz
- Total Brake Current:..... 1.3 A
- Standby Consumption:..... 400mA
- Sleep Consumption:..... <15mA
- Motor peak Current:..... 220 A (#1) 105 A (#2)

- [ Connectors Automotive Rating ]
- 1x | 6Pins | Power and Motors Terminal
  - 1x | 5Pins | 4 Programmable Outputs
  - 1x | 7Pins | 4 Programmable Inputs
  - 1x | 4Pins | Brake, 1 Programmable Input
  - 1x | 4Pins | LTM BUS
  - 1x | 3Pins | Neutrik Charger Plug with Interlock

DIMENSIONS	
Width	15.0"
Length	8.75"
Height	2.60"

