

## Alltrax AXE/SPM Controller

### Overview:

The Alltrax AXE/SPM range offers a reliable easy to install single direction DC speed controllers. With inputs ranging from 12v to 72v and continuous output currents of up to 200A they are suitable for a wide range of applications including: golf cars, pumps, motorbikes, cars, boats and utility vehicles.

### Features:

- Operating Frequency 18kHz
- Operating Temperature -25C to 75C
- Standby current (Powered up) <35mA
- 24V Nominal input is 30V DC bus Max
- 48V Nominal input is 60V DC bus max
- 72V Nominal input is 90V DC bus max
- Rugged construction
- Easy to program RS232/USB interface
- Available from 12 to 72V DC Bus
- Suitable for a wide range of throttles including; 0-5K, 5K-0, 0-1K, 0-5V, 6-10V.

### AXE Controller Model number Breakdown:

For example the **AXE4834P** is broken down as:

- **AXE** - Family name
- **48** - First two digits = Battery String Voltage (two digits)
- **xx3x** - third digit = amperage, 3=300 Amp model
- **xxx4** - fourth digit = Case size small heat-sink
- **P** model - denotes 'Plug Break'
- **M** model - denotes 'Momentary'



## SMP Controller Model number Breakdown:

For example the **SPM48300-EZ** is broken down as:

- **SPM** - Family name Series Permanent Magnet, SPB=Series Plug Brake
- **48** - First two digits = Battery String Voltage (two or three digits) 48v, 72v, 156v, etc.
- **300** - Last three digits = amperage, 300 Amp model, 650=650amps at 2minutes
- **EZ model** - Denotes 5-pin EZ model with ITS (Also includes 4-spade terminals)
- **HD model** - Denotes model with 14-pin sealed connector for heavy duty extreme application



## AXE/SPM Controller Properties:

Model	Battery Voltage	2 Min Rating	5 Min Rating	1 Hour Rating
AXE2444	12-24v	400A	350A	200A
SPM48300	24-48v	300A	200A	135A
AXE4834	24-48v	300A	200A	135A
SPM48400	24-48v	400A	200A	150A
SPM48500	24-48v	500A	300A	200A
AXE4844	24-48v	400A	300A	150A
SPM48600	24-48v	600A	400A	260A
SPM48800	24-48v	800A	500A	300A
SPM72200	24-72v	200A	150A	120A
AXE7234	24-72v	300A	200A	125A
AXE7245	24-72v	450A	350A	200A
SPM72500	24-72v	500A	350A	200A
SPM72650	24-72v	650A	450A	260A

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