

Description: S-Drive Default Program <Mod>

Controller Type:

Controller Serial Number:

Vehicle Serial Number:

**Speed Settings**

|                                    | <b>Fast</b> | <b>Slow</b> |
|------------------------------------|-------------|-------------|
| Forward Acceleration (0.1 Seconds) | 30          | 20          |
| Forward Deceleration (0.1 Seconds) | 13          | 10          |
| Reverse Acceleration (0.1 Seconds) | 30          | 40          |
| Reverse Deceleration (0.1 Seconds) | 13          | 15          |
| Max Forward Speed (%)              | 65          | 60          |
| Min Forward Speed (%)              | 30          | 15          |
| Max Reverse Speed (%)              | 40          | 30          |
| Min Reverse Speed (%)              | 25          | 15          |
| Speed Limit Pot Enabled            | On          |             |

**General Settings**

|                            |  |
|----------------------------|--|
| Soft Stop                  | On                                       |
| Brake Time (milli-Seconds) | 1400                                     |
| Output Voltage (Volts)     | 24                                       |
| Status Output Type         | 1 (0 = Trucharge, 1 = LED, 2 = Analogue) |
| Diagnostic Flash Sequence  | 4  |
| Reverse Alarm              | On                                       |
| Reverse Alarm Tone         | 0 (S Drive 120,140,180A) (S Drive II)    |
| Pulsed Reverse Alarm       | On                                       |
| Diagnostic Alarm           | On                                       |
| Diagnostic Alarm Tone      | 0 (S Drive 120,140,180A) (S Drive II)    |
| Brake Disconnected Alarm   | Off                                      |

**Operation Settings**

|                       |    |
|-----------------------|----|
| Sleep Timer (Minutes) | 20 |
| Throttle Invert       | No |

**Battery Settings**

|   |   |
|---|---|
| Low Battery Flash Level (Bars)            | 0                                       |
| Cable Resistance (milli-Ohms)             | 40                                      |
| Calibration Factor                        | 100                                     |
| Low Battery Alarm                         | Off                                     |
| Trucharge Reset Voltage (Deci-Volts)      | 278                                     |
| <b>(S Drive 180A) (S Drive II)</b>        |   |
| Battery Curve Scaler                      | 0                                       |
| <b>(S Drive II Only)</b>                  |   |
| <b>(S Drive II Only)</b> Out (Deci-Volts) | 160                                     |
| <b>(S Drive II Only)</b> Out Time (Secs)  | 255                                     |
| Brake Fault Detect                        | On                                      |
| Brake Light                               | Off                                     |
| Push too Fast Threshold                   | 100                                     |
| Push too Fast Timeout                     | 20                                      |
| Freewheel Enable                          | Disable                                 |
| Inhibit 2 Horn Input Enable               | Off (S Drive 120,140,180A) (S Drive II) |
| <b>(S Drive II Only)</b> Horn Trip        | Yes                                     |

**Motor Settings**

|  |                                 |
|--|---------------------------------|
| Current Limit Max (Amps)               | 180                             |
| Boost Drive Current (Amps)             | 24 200                          |
| Boost Drive Time (Seconds)             | 10                              |
| Current Foldback Threshold (Amps)      | 180                             |
| Current Foldback Time (Seconds)        | 150                             |
| Current Foldback Level (%)             | 100                             |
| Motor Cooling Time (Seconds)           | 90                              |
| Current Foldback Temperature (Deg C)   | 80                              |
| Current Limit Min (Amps)               | 45                              |
| Motor Stall Timeout (Seconds)          | 15 (S Drive II Only)            |
| Motor Compensation (milli-Ohms)        | 15                              |
| AntiRollback Level                     | 12 (S Drive Only)               |
| Pull-away Delay (centi-Seconds)        | 30 (S Drive Only)               |
| Slope Factor                           | 500 (S Drive Only)              |
| Anti Rollback Velocity                 | 0 (S Drive Only)                |
| Braking Current Limit (Amps)           | 200 (S Drive 180A) (S Drive II) |
| Timed Foldback Braking Current (Amps)  | 200 (S Drive 180A) (S Drive II) |
| Timed Foldback Speed (%)               | 100 (S Drive 180A) (S Drive II) |
| Enhanced Motor Compensation (Up) (%)   | 150 (S Drive II Only)           |
| Enhanced Motor Compensation (Down) (%) | 100 (S Drive II Only)           |
| Enhanced Motor Compensation (Up) Gain  | 50 (S Drive II Only)            |

**Inhibit Settings**

|                          |              |
|--------------------------|--------------|
| Inhibit 1: Mode          | 1            |
| Inhibit 1: Operation     | Latching     |
| Inhibit 1: Speed (%)     | 0            |
| Inhibit 2: Mode          | 1            |
| Inhibit 2: Operation     | Non-Latching |
| Inhibit 2 Speed (%)      | 50           |
| Inhibit 3: Mode          | 1            |
| Inhibit 3: Operation     | Latching     |
| Inhibit 3: Speed (%)     | 0            |
| Aux Output: Mode         | 0            |
| Inhibit 2 Aux Output     | 0            |
| <b>(S Drive II Only)</b> |              |

**Factory Settings**

|                            | <b>Max</b> | <b>Min</b> |
|----------------------------|------------|------------|
| Acceleration (0.1 Seconds) | 100        | 1          |
| Deceleration (0.1 Seconds) | 100        | 1          |
| Forward Speed (%)          | 100        | 0          |
| Reverse Speed (%)          | 100        | 0          |
| <b>(S Drive II Only)</b>   |            |            |

**Throttle Settings**

|                               |   |
|-------------------------------|---|
| Throttle Type                 | 1 (0 = Single-ended, 1 = Wig-wag, 2 = Unipolar) |
| Throttle Deadband (%)         | 20  |
| Throttle Gain (%)             | 180   |
| Throttle Operated at Power-up | 2 (0 = Drive, 1 = Inhibit, 2 = Trip)            |
| Throttle Reference Test       | On  |
| ISO Test Resistor             | Off   |
| Timed Throttle Invert         | 0 (0 = Off, 1 = Inhibit 2, 2 = Inhibit 3)       |
| <b>(S Drive II Only)</b>      |   |