



EV & Forklift Parts

**CURTIS DC SepEx Motor Controller Parameter List
Model: 1266A-5201**

| No. | Parameter | Min | Max | Default Value | Unit | Programmer Access Level | |
|-----------------------|---------------------------|-----|------|---------------|---------|-------------------------|-------|
| | | | | | | Read | Write |
| Current Limits | | | | | | | |
| 1 | M1 Main C/L | 100 | 275 | 275 | Ampere | OEM | OEM |
| 2 | M1 Boost C/L | 100 | 300 | 300 | Ampere | OEM | OEM |
| 3 | M2 Main C/L | 100 | 275 | 275 | Ampere | OEM | OEM |
| 4 | M2 Boost C/L | 100 | 300 | 300 | Ampere | OEM | OEM |
| 5 | Boost Time | 0 | 10 | 10 | Seconds | OEM | OEM |
| 6 | Regen C/L | 50 | 275 | 201 | Ampere | OEM | OEM |
| 7 | Plug C/L | 50 | 275 | 201 | Ampere | OEM | OEM |
| 8 | WalkAway C/L | 6 | 10 | 6 | Ampere | OEM | OEM |
| Mode 1 | | | | | | | |
| 9 | M1 Max Speed | 4 | 62 | 14.5 | | OEM | OEM |
| 10 | M1 Accel | 0.6 | 5 | 2.7 | Seconds | OEM | OEM |
| 11 | M1 Decel | 0.2 | 30 | 30 | Seconds | OEM | OEM |
| 12 | M1 Brake Min | 10 | 100 | 10 | % | OEM | OEM |
| 13 | M1 Brake Max | 10 | 100 | 80 | % | OEM | OEM |
| 14 | M1 Brake Start | 0 | 62 | 5 | | OEM | OEM |
| 15 | M1 Brake End | 0 | 62 | 13 | | OEM | OEM |
| 16 | M1 Brake Map | 20 | 80 | 22 | % | OEM | OEM |
| Reverse | | | | | | | |
| 17 | Reverse Speed | 4 | 16 | 6.75 | | OEM | OEM |
| 18 | Reverse Accel | 0.6 | 5 | 3.1 | Seconds | OEM | OEM |
| 19 | Reverse Decel | 0.2 | 30 | 10 | Seconds | OEM | OEM |
| 20 | Reverse Brake Min | 10 | 100 | 20 | % | OEM | OEM |
| 21 | Reverse Brake Max | 10 | 100 | 80 | % | OEM | OEM |
| 22 | Reverse Brake Start | 0 | 16 | 1.5 | | OEM | OEM |
| 23 | Reverse Brake End | 0 | 16 | 5 | | OEM | OEM |
| 24 | Reverse Brake Map | 20 | 80 | 40 | % | OEM | OEM |
| Mode 2 | | | | | | | |
| 25 | M2 Max Speed | 4 | 62 | 14.5 | | OEM | OEM |
| 26 | M2 Accel | 0.6 | 5 | 2.7 | Seconds | OEM | OEM |
| 27 | M2 Decel | 0.2 | 30 | 3.1 | Seconds | OEM | OEM |
| 28 | M2 Brake Min | 10 | 100 | 25 | % | OEM | OEM |
| 29 | M2 Brake Max | 10 | 100 | 90 | % | OEM | OEM |
| 30 | M2 Brake Start | 0 | 62 | 13 | | OEM | OEM |
| 31 | M2 Brake End | 0 | 62 | 16 | | OEM | OEM |
| 32 | M2 Brake Map | 20 | 80 | 40 | % | OEM | OEM |
| Vehicle-Motor | | | | | | | |
| 33 | Motor RPM / Vehicle Speed | 50 | 1024 | 243 | | OEM | OEM |
| 34 | Tacho Poles | 4 | 20 | 8 | | OEM | OEM |
| Battery | | | | | | | |
| 35 | Overvoltage Min | 40 | 65 | 62 | Volt | OEM | OEM |
| 36 | Low Voltage Max | 27 | 45 | 37.6 | Volt | OEM | OEM |
| 37 | Low Voltage Margin | 2 | 10 | 5 | Volt | OEM | OEM |
| Throttle | | | | | | | |
| 38 | HPD Threshold | 0 | 25 | 25 | % | OEM | OEM |
| 39 | Throttle Map | 20 | 80 | 50 | % | OEM | OEM |
| 40 | Throttle 0% | 0 | 2 | 0.5 | Volt | OEM | OEM |
| 41 | Throttle 100% | 2.1 | 5 | 4.5 | Volt | OEM | OEM |
| 42 | Throttle Fault Lo | 0 | 2 | 0.2 | Volt | OEM | OEM |

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|--------------------|---------------------|-----|------|---------------|---------|-------------------------|-------|
| | | | | | | Read | Write |
| 43 | Throttle Fault Hi | 3 | 5 | 4.8 | Volt | OEM | OEM |
| 44 | 5v Enable | Off | On | Off | | OEM | OEM |
| Warning Options | | | | | | | |
| 45 | Overvoltage Beep | Off | On | On | | OEM | OEM |
| 46 | Anti-Rollback Beep | Off | On | On | | OEM | OEM |
| Field Maps | | | | | | | |
| Positive Field Map | | | | | | | |
| 47 | M1 Field Min | 1 | 10 | 3 | Ampere | OEM | OEM |
| 48 | Reverse Field Min | 1 | 10 | 4 | Ampere | OEM | OEM |
| 49 | M2 Field Min | 1 | 10 | 3 | Ampere | OEM | OEM |
| 50 | Field Map Start | 0 | 100 | 50 | Ampere | OEM | OEM |
| 51 | Field Map | 20 | 80 | 50 | % | OEM | OEM |
| 52 | Field Max | 12 | 25 | 20 | Ampere | OEM | OEM |
| 53 | Field Map End | 150 | 275 | 201 | Ampere | OEM | OEM |
| Negative Field Map | | | | | | | |
| 54 | Neg Field Map Start | 0 | 100 | 30 | Ampere | OEM | OEM |
| 55 | Neg Field Map | 20 | 80 | 35 | % | OEM | OEM |
| 56 | Neg Field Max | 12 | 25 | 20 | Ampere | OEM | OEM |
| 57 | Neg Field Map End | 150 | 275 | 201 | Ampere | OEM | OEM |
| EM Brake | | | | | | | |
| 58 | EM Brake | Off | On | Off | | OEM | OEM |
| 59 | EMB Pull In % | 10 | 100 | 100 | % | OEM | OEM |
| 60 | EMB Holding % | 10 | 100 | 100 | % | OEM | OEM |
| 61 | EMB Delay | 0 | 5 | 1.4 | Seconds | OEM | OEM |
| 62 | EMB Speed Check | Off | On | On | | OEM | OEM |
| 63 | EMB Speed Value | 0 | 62 | 0.5 | mph | OEM | OEM |
| Field Brake | | | | | | | |
| 64 | Field Brake | Off | On | Off | | OEM | OEM |
| 65 | Field Brake Speed | 0 | 6 | 3 | | OEM | OEM |
| 66 | Field Brake Max | 1 | 25 | 2 | Ampere | OEM | OEM |
| 67 | Field Brake Rate | 0 | 6 | 2 | | OEM | OEM |
| Contactor | | | | | | | |
| 68 | Main Drop Out Time | 1 | 1200 | 2 | Seconds | OEM | OEM |
| 69 | Main Pull In % | 10 | 100 | 100 | % | OEM | OEM |
| 70 | Main Holding % | 10 | 100 | 100 | % | OEM | OEM |