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DCX Motor Controller Electrical Specifications

Model:	DCX300 / DCX400
Type:	Separately Excited DC motor controller
Battery Input Voltage:	24 – 48VDC Nominal, 60VDC max
Undervoltage cutback:	adjustable, 16-30 VDC
Overvoltage shutdown:	adjustable, 30-60 VDC
Armature Current Limit, 2 minutes:	300A / 400A
Armature Current, 5 minutes:	150A / 210A
Armature Current, 1 hour:	135A / 160A
Field Current Limit:	30A
Operating Frequency:	18kHz
Contactors drive current:	2A max
Control voltage range:	
Key, Throttle and Reverse inputs:	12 – 60 VDC, 15mA max
Reverse Horn Output:	50mA sink max
Standby Current:	< 35mA
Throttle Input:	ITS (inductive); 0-5K, 5K-0 Ohm +/-10%
Operating Temperature:	-25C to 75C, 95C shutdown

Adjustments via software:

- Throttle acceleration / deceleration rate and map profile
- Armature current limit
- Brake current limit
- Under / Over voltage shutdown
- Programmable Field Map
- Top Speed & Turbo button

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