



An Engineered Solution

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Waterproof · Corrosion Proof · Vibration Proof  
The Leader in Performance and Durability



ELECTRICAL SPECIFICATIONS:

DCX CONTROLLER FOR  
SEPARATELY EXCITED DC MOTOR

Model: DCX300 / DCX400 / DCX500 / DCX600

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

DCX MODEL #	DCX300	DCX400	DCX500	DCX600
Battery Voltage	24-48V	24-48V	24-48V	24-48V
Current Limit	300A	400A	500A	600A
2 Minute Rating	300A	400A	500A	600A
5 Minute Rating	150A	210A	300A	350A
60 Minute Rating	135A	160A	250A	250A
Voltage Drop @100Amp	<0.30V	<0.10V	<0.09V	<0.08V

Field Current Limit: 30A  
Operating Frequency: 18kHz  
Contactor drive current: 2A max  
Key (KSI), Throttle, & Reverse inputs: 12 – 48VDC Nom (60VDC Max), 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 75°C, 95°C 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  
Half Speed Reverse



Alltrax 300 & 400 Amp  
Controllers Fit Under The  
E-ZGO Cover With Solenoid  
Attached!



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Golf Cars - Fork Lifts - Scissor Lifts - Boom Lifts - Floor Scrubbers

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