# AUTOMATE | Li-ion Q3.0

Part #: MTDCBRFQ45-3  
Description: DC Tubular motor with in-built Lithium-ion rechargeable battery.

## FEATURES
- Recommended max shade size 144”x144”
- Leveling Control
- Simple limit setting and adjustment
- Favorite position
- 3 operational speed settings available
- 2 way RF communication
- Rechargeable built in Li-ion battery
- Optional Solar powered charger
- New ARC protocol for simple programming

## TECHNOLOGIES

<table>
<thead>
<tr>
<th>Quiet Operation</th>
<th>Battery Powered</th>
<th>Solar Charging</th>
<th>Electronic Limit</th>
<th>Leveling Control</th>
</tr>
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<tbody>
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</table>

## DIMENSIONS

![Dimension Diagram]  
- 32.04 in. (814mm)
- 2.17 in. (55mm)
- 0.48 in. (12mm)
- 0.37 in. (9mm)
- 1.77 in. (45mm)
- Motor cable 5.25 in. (135mm)
- 0.11 in. (3mm)
- 1.81 in. (46mm)

## SPECIFICATIONS

<table>
<thead>
<tr>
<th>Voltage</th>
<th>12</th>
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<tbody>
<tr>
<td>Torque</td>
<td>3.0Nm</td>
</tr>
<tr>
<td>Max Run Time</td>
<td>10 Min</td>
</tr>
<tr>
<td>Speed</td>
<td>28 RPM (Adjustable to 24 or 20)</td>
</tr>
<tr>
<td>Radio Frequency</td>
<td>433.92 MHz</td>
</tr>
<tr>
<td>RF Modulation</td>
<td>FSK</td>
</tr>
<tr>
<td>IP Rating</td>
<td>IP44</td>
</tr>
<tr>
<td>Limit Switch Type</td>
<td>Electronic</td>
</tr>
<tr>
<td>Amps</td>
<td>1.67A</td>
</tr>
<tr>
<td>Battery Size/Type</td>
<td>4400mAH</td>
</tr>
<tr>
<td>Temp Working Range</td>
<td>32°F to 140°F (0°C to 60°C)</td>
</tr>
<tr>
<td>Insulation Class</td>
<td>III</td>
</tr>
<tr>
<td>Sound Level</td>
<td>~40DB</td>
</tr>
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</table>
### ACCESSORIES

#### CHARGING SOLUTIONS
- **Descr:** 12V Li-ion Charger
  - Part #: MTDCB-CHARGE
- **Descr:** Li-ion Solar Panel Charger - 1.5W
  - Part #: MTSPAN-B

#### EXTENSION CABLES
- **Descr:** Cable extender 6”/155mm
  - Part #: MTDCB-CBLXT6
- **Descr:** Cable extender 48”/1220mm
  - Part #: MTDCB-CBLXT48
- **Descr:** Cable extender 96”/2440mm
  - Part #: MTDCB-CBLXT96

#### REMOTES & SWITCHES
- **Descr:** Paradigm 1CH ARC Remote
  - Part #: MTRF-REM-1
- **Descr:** Paradigm 15CH ARC Remote
  - Part #: MTRF-REM-15
- **Descr:** RF White 1 Channel Decorator Wall Switch [Cut In]
  - Part #: MTRF-WS-1C
- **Descr:** RF White 2 Channel Decorator Wall Switch [Cut In]
  - Part #: MTRF-WS-2C
- **Descr:** RF White 5 Channel Decorator Surface Mount Switch
  - Part #: MTRF-WS5-FLUSH

#### AUTOMATION DEVICES
- **Descr:** Sun Sensor
  - Part #: MTRF-SUNSENS
- **Descr:** 1 Channel Dry Contact Input Module - 433 RF
  - Part #: MTRF-DCIM-1C
- **Descr:** ARC “Pulse” Wi-Fi to 433-2 way RF Bridge Kit
  - Part #: MTRF-WIFIBRIDGE-KIT

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  - Part #: MTRF-WS-1C
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