



## MR2791 Rechargeable Lithium-Ion Military Battery (9830 – MR2791 with English language label)

<p><b><u>Replacement or compatible with:</u></b></p> <ul style="list-style-type: none"> <li>- BT-5791, BA-3791/U, BA-3791</li> </ul> <p><b><u>General description:</u></b></p> <ul style="list-style-type: none"> <li>- Rugged, military tough case construction</li> <li>- High energy density</li> <li>- One wire battery communication technology</li> <li>- Smart circuit technology providing remaining capacity (in mAh), and number of cycles</li> <li>- State Of Charge Indicator (SOCI)-5 LEDs on the Battery</li> <li>- Enables remote battery shutdown</li> <li>- Low energy consumption during storage (Can be stored for up to one year without any charging necessary)</li> <li>- Easy integration into compact and light systems</li> </ul>																																																	
<p><b><u>Safety features:</u></b></p> <ul style="list-style-type: none"> <li>- Cell charge over voltage protection</li> <li>- Cell discharge under voltage protection</li> <li>- Over current and short circuit protection</li> <li>- Over temperature protection</li> <li>- Reverse Polarity</li> </ul> <p><b><u>Charge method (CCCV):</u></b>            Charge Voltage: 16.8VDC - max.            Charge Current: 5A max.</p> <p><b><u>Quality:</u></b>            ISO 9001</p> <p><b><u>Compatible Chargers:</u></b>            MC9001, MC2791D, MC2791, ESC2791Q</p> <p><b><u>Material Safety Data Sheet:</u></b>            Available per request</p> <p><b><u>Applications:</u></b>            Military and civil portable radio communications            Thermal imaging systems            Remote control electronics            Surveillance equipment Robotics</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: left;"><b>Electrical</b></td> </tr> <tr> <td style="width: 60%;">Capacity</td> <td>15Ah @ 2A</td> </tr> <tr> <td>Energy</td> <td>222 Wh</td> </tr> <tr> <td>Max. Voltage</td> <td>16.8V</td> </tr> <tr> <td>Nom. Voltage</td> <td>14.8V</td> </tr> <tr> <td>Min. Voltage</td> <td>10.5V</td> </tr> <tr> <td>Max. Dis current (cont.)</td> <td>8A</td> </tr> <tr> <td>Cycle life 100% DOD</td> <td>over 80% initial capacity after 300 cycles</td> </tr> <tr> <td>Weight energy density</td> <td>173 Wh/kg</td> </tr> <tr> <td>Volume energy density</td> <td>264 Wh/L</td> </tr> <tr> <td>Communication</td> <td>One wire battery communication technology</td> </tr> <tr> <td colspan="2" style="text-align: left;"><b>Mechanical</b></td> </tr> <tr> <td>Weight</td> <td>1280 gr</td> </tr> <tr> <td>Height (max.)</td> <td>186.2 mm</td> </tr> <tr> <td>Width (max.)</td> <td>69.5 mm</td> </tr> <tr> <td>Length (max.)</td> <td>65.0 mm</td> </tr> <tr> <td>Battery case</td> <td>ABS Plastic</td> </tr> <tr> <td>Color</td> <td>Black</td> </tr> <tr> <td>Cell</td> <td></td> </tr> <tr> <td>Cell Type</td> <td>18650</td> </tr> <tr> <td>Construction</td> <td>24 Cells 4S6P</td> </tr> <tr> <td>Humidity</td> <td>0 to 90%</td> </tr> <tr> <td colspan="2" style="text-align: left;"><b>Transportation</b></td> </tr> <tr> <td>Transport Status</td> <td>Class 9</td> </tr> </table>	<b>Electrical</b>		Capacity	15Ah @ 2A	Energy	222 Wh	Max. Voltage	16.8V	Nom. Voltage	14.8V	Min. Voltage	10.5V	Max. Dis current (cont.)	8A	Cycle life 100% DOD	over 80% initial capacity after 300 cycles	Weight energy density	173 Wh/kg	Volume energy density	264 Wh/L	Communication	One wire battery communication technology	<b>Mechanical</b>		Weight	1280 gr	Height (max.)	186.2 mm	Width (max.)	69.5 mm	Length (max.)	65.0 mm	Battery case	ABS Plastic	Color	Black	Cell		Cell Type	18650	Construction	24 Cells 4S6P	Humidity	0 to 90%	<b>Transportation</b>		Transport Status	Class 9
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