

# 产品特性表

# EV 系列 / 6-EV-80

| 电池特性                                    |                          | 电池照片                                      |       |       |       |       |       |       |       |       |       |
|---|--------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 标称电压                                    | 12 V                     |   |       |       |       |       |       |       |       |       |       |
| 额定容量                                    | 80 Ah                    |   |       |       |       |       |       |       |       |       |       |
| 电池质量 (± 5%)                             | 26.5/58.42 kg/lbs        |   |       |       |       |       |       |       |       |       |       |
| 外形尺寸 (± 1.5%)                           |                          |   |       |       |       |       |       |       |       |       |       |
| 长                                       | 261/10.24 mm/in.         |   |       |       |       |       |       |       |       |       |       |
| 宽                                       | 168/6.62 mm/in.          |   |       |       |       |       |       |       |       |       |       |
| 高                                       | 212/8.35 mm/in.          |   |       |       |       |       |       |       |       |       |       |
| 总高                                      | 219/8.63 mm/in.          |   |       |       |       |       |       |       |       |       |       |
| 质量比能量                                   | 36.2 Wh/kg               |   |       |       |       |       |       |       |       |       |       |
| 体积比能量                                   | 100.0 Wh/dm <sup>3</sup> |   |       |       |       |       |       |       |       |       |       |
| 容量 (25°C, 77°F)                         |                          | 端子类型 M8×Φ16                               |       |       |       |       |       |       |       |       |       |
| 3hr (26.7A, 10.5V)                      | 80 Ah                    |   |       |       |       |       |       |       |       |       |       |
| 20hr (4.75A, 10.5V)                     | 95 Ah                    |   |       |       |       |       |       |       |       |       |       |
| 5hr (17.0A, 10.5V)                      | 85 Ah                    |   |       |       |       |       |       |       |       |       |       |
| 2hr (36.0A, 10.5V)                      | 72 Ah                    |   |       |       |       |       |       |       |       |       |       |
| 荷电态内阻                                   | 6.0 mΩ                   |   |       |       |       |       |       |       |       |       |       |
| 初充电电流 (推荐)                              | 12 A                     |   |       |       |       |       |       |       |       |       |       |
| 最大放电电流(10s)                             | 720 A                    |   |       |       |       |       |       |       |       |       |       |
| 短路电流                                    | 1680 A                   |   |       |       |       |       |       |       |       |       |       |
| 浮充电压/单体                                 | 2.35 V                   |   |       |       |       |       |       |       |       |       |       |
| 均充电压/单体                                 | 2.45 V                   |   |       |       |       |       |       |       |       |       |       |
| 放电保护电压/单体                               | 1.75 V                   | 端子材料: 铜 (镀锡)                              |       |       |       |       |       |       |       |       |       |
| 80%循环寿命                                 | 700 次                    | 扭 矩: 8~10N·m                              |       |       |       |       |       |       |       |       |       |
| 100%循环寿命                                | 400 次                    | 产品执行标准: GB/T 32620.1-2016<br>电动道路车辆用铅酸蓄电池 |       |       |       |       |       |       |       |       |       |
|   |                          | 产品参考标准: IEC 61982-3 2001                  |       |       |       |       |       |       |       |       |       |
| 恒电流放电参数表 ( at 25°C,77°F) —— 安 (A)       |                          |   |       |       |       |       |       |       |       |       |       |
| 终止电压<br>(伏/单体)                          | 放电时间 (分钟)                |   |       |       |       |       |       |       |       |       |       |
|   | 10                       | 20  | 30    | 45    | 60    | 90    | 120   | 180   | 300   | 600   | 1200  |
| 1.60                                    | 257.9                    | 151.8                                     | 110.2 | 79.44 | 63.88 | 46.25 | 37.04 | 27.31 | 17.35 | 9.248 | 4.814 |
| 1.65                                    | 252.3                    | 149.1                                     | 108.6 | 78.41 | 63.08 | 45.75 | 36.70 | 27.10 | 17.22 | 9.190 | 4.790 |
| 1.70                                    | 245.6                    | 146.0                                     | 106.5 | 76.99 | 62.21 | 45.24 | 36.32 | 26.88 | 17.11 | 9.141 | 4.769 |
| 1.75                                    | 238.7                    | 142.8                                     | 104.6 | 75.87 | 61.42 | 44.76 | 36.00 | 26.67 | 17.00 | 9.100 | 4.750 |
| 恒功率放电参数表 ( at 25°C,77°F) —— 瓦特 (W) / 单体 |                          |   |       |       |       |       |       |       |       |       |       |
| 终止电压<br>(伏/单体)                          | 放电时间 (分钟)                |   |       |       |       |       |       |       |       |       |       |
|   | 10                       | 20  | 30    | 45    | 60    | 90    | 120   | 180   | 300   | 600   | 1200  |
| 1.60                                    | 453.1                    | 273.4                                     | 202.6 | 148.3 | 120.9 | 88.66 | 71.57 | 53.20 | 34.01 | 18.26 | 9.547 |
| 1.65                                    | 451.3                    | 272.7                                     | 202.1 | 148.0 | 120.4 | 88.20 | 71.34 | 53.07 | 33.93 | 18.22 | 9.532 |
| 1.70                                    | 445.6                    | 270.2                                     | 200.2 | 146.8 | 119.8 | 87.88 | 71.14 | 53.01 | 33.90 | 18.20 | 9.526 |
| 1.75                                    | 439.0                    | 267.6                                     | 198.9 | 146.1 | 119.3 | 87.73 | 70.99 | 52.87 | 33.84 | 18.17 | 9.511 |

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