

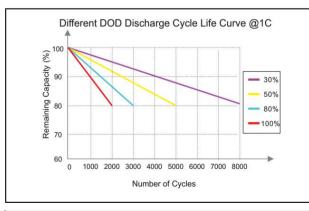


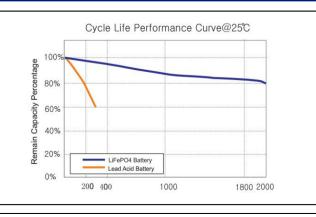
## EPPS-12055 (12.8V-55Ah)



| Specification:            |                           |   |
|---------------------------|---------------------------|---|
| Electrical Charateristics | Nominal Voltage           | 12.8V   |
|                           | Nominal Capacity          | 55AH  |
|                           | Energy                    | 704Wh   |
|                           | Internal Resistance       | $\leq$ 20m $\Omega$   |
|                           | Cycle Life                | >2000 cycles at 0.2C 100% DOD   |
|                           | Months Self Discharge     | <3%   |
|                           | Efficiency of Charge      | 100% at 0.5C  |
|                           | Efficiency of Discharge   | 96~99% at 1C  |
| Charge                    | Charge Voltage            | 14.6+/-0.2V   |
|                           | Charge Mode               | CC at 0.2C to 14.6V, then at CV14.6V to charge current less than 0.02C  |
|                           | Charge Current            | 14.6A   |
|                           | Max. Charge Current       | 25A   |
|                           | Charge Cut-Off Voltage    | 15.6V+/-0.2V  |
| Discharge                 | Max. Continuous Current   | 55A   |
|                           | Max. Pulse Current        | 110A (<3s)  |
|                           | Discharge Cut-Off Voltage | 8V  |
| Environment               | Charge Temperature        | 0°C to 45°C (32F to 113F) at 60±25% Relative Humidity   |
|                           | Discharge Temperature     | - 20°C to 60°C (-4F to 140F) at 60±25% Relative Humidity  |
|                           | Storage Temperature       | 0°C to 40°C (32F to 104F) 60±25% Relative Humidity  |
|                           | Water Dust Resistance     | IP56  |
| Mechanical                | Cell Material             | LiFePO4   |
|                           | Plastic Case              | ABS   |
|                           | Dimensions (inch)         | 9" x 5.43" x 8.31"  |
|                           | Weight (lbs)              | 18.1 lbs.   |
|                           | Terminal                  | M6  |
| BMS                       | Protection Function       | Over Charge Protection, Over Discharge Protection, Over Current Protection,<br>Short Current Protection, Balance Function, Temperature Protection |

## Discharge Characteristic





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