



PRODUCT SPECIFICATION SUMMARY

## 6S 22000mAh UAV Battery

Source a 6S 22000mAh UAV battery from New Journey with a quote for your aircraft load. This 22.2V option provides 488.4Wh and 66A continuous discharge in a 55mm-wide body at about 1.62kg. The stated 350Wh/kg cell rating helps describe the cell choice, while pack size determines tray fit.

Compiled from the product page for initial selection. This is not a signed factory specification or a test report. Reference configurations are for selection; final supply follows the approved order configuration.

### Technical Specifications

| Parameter                | Specification                                                                                                                                                 |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reference configuration  | 6S22Ah                                                                                                                                                        |
| Battery type             | solid state lithium battery                                                                                                                                   |
| Configuration            | 6S1P; cell reference CGB8575175-22000mAh                                                                                                                      |
| Nominal voltage          | 22.2V                                                                                                                                                         |
| Nominal capacity         | 22000mAh / 22Ah                                                                                                                                               |
| Nominal energy           | 488.4Wh                                                                                                                                                       |
| Cell energy density      | 350Wh/kg individual-cell value                                                                                                                                |
| Maximum charge current   | 11A at 0.5C                                                                                                                                                   |
| Charge cutoff voltage    | 25.5V                                                                                                                                                         |
| Discharge cutoff voltage | 15.0V                                                                                                                                                         |
| Continuous discharge     | 66A at 3C                                                                                                                                                     |
| Maximum discharge        | 220A at 10C; applicable duration follows the approved configuration                                                                                           |
| Cycle life reference     | Approx. 200-400 cycles; around the end of this range, available capacity typically declines to about 80% of initial rated capacity under specified conditions |
| Working temperature      | -20°C to 55°C                                                                                                                                                 |
| Storage conditions       | -20°C to 40°C; below 85% RH                                                                                                                                   |
| Dimensions (W x T x H)   | 55 x 78 x 195mm; tolerance +/-5mm                                                                                                                             |
| Weight                   | approximately 1620g                                                                                                                                           |