



Li-ion battery pack in 6S2P configuration providing 8000mAh capacity with nominal voltage of 21.6V. Operates within a voltage range from 15V minimum to 25.2V maximum, with recommended storage at 22.2V. Supports continuous discharge rate of 10C and maximum discharge rate of 20C, with charging rate limited to 1C. Features XT60 power connector and JST XH 2.54mm 7-pin balance connector for cell monitoring. Operates in temperatures from -20°C to 40°C, with charging and storage permitted between 10°C and 40°C. Measures 130 × 73 × 45mm and weighs 780g.

| Product details           |                              |
|---------------------------|------------------------------|
| Model                     | Li-ion 6S2P 8000mah 10C XT60 |
| SKU                       | 5556                         |
| Electrical specification  |                              |
| Type                      | Li-ion                       |
| Cell configuration        | 6S2P                         |
| Capacity                  | 8000 mAh                     |
| Min voltage               | 15 V                         |
| Nominal voltage           | 21.6 V                       |
| Max voltage               | 25.2 V                       |
| Storage voltage           | 22.2 V                       |
| Max charge rate           | 1 C                          |
| Continues discharge rate  | 10 C                         |
| Peak discharge rate       | 20 C                         |
| Interfaces                |                              |
| Power connector           | XT60                         |
| Balance connector         | JST XH 2.54mm 7-pin          |
| Mechanical specifications |                              |
| Dimension                 | 130x73x45 mm                 |



|                                        |                                                                                                                                                                      |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Weight                                 | 780 g                                                                                                                                                                |
| Operating conditions                   |                                                                                                                                                                      |
| Humidity range                         | 20-95% RH (non-condensing)                                                                                                                                           |
| Charging temperature                   | 10 - 40 °C                                                                                                                                                           |
| Storage temperature                    | 10 - 40 °C                                                                                                                                                           |
| Operating temperature                  | -20 - 40 °C                                                                                                                                                          |
| Operating temperature (important note) | Operating at sub-zero temperatures reduces available capacity, increases internal resistance, and accelerates cell degradation, shortening overall battery lifespan. |
| Common                                 |                                                                                                                                                                      |
| Warranty                               | 2 years                                                                                                                                                              |