



Product specifications

aeroPAX6 smart charger



The aeroPAX6 smart charger is a Lithium-Polymer smart charger for the aeroPAX6 smart battery series. It is specifically designed for drone and other robotics operations.

It provides a suitable DC Voltage output for a 6S smart battery and limits the current based on the communication with the Battery Management System of the aeroPAX6 smart battery.

- Power output is only enabled when a battery is inserted otherwise the charger contacts are without power.
- Power Variants available: 450W - 13 A | 750W - 22A | 1200W – 36A
- 1200W Version also cools battery with air while charging
- End of charge detection
- Quick lock and release mechanism for the aeroPAX6 smart battery series
- Wifi option for data logging also available for all versions

More Docs and CAD: <https://docs.aerotate.com>

General information

Cell configuration	6S1P	Charging method	CC/CV
Cell Type	Li-Po		
Timeout	2 hours or triggered by BMS	End of charge voltage	25.2V
Input Voltage	90 - 260VAC 127 – 370VDC	Datalogging	Optional with WIFI
Input Frequency	47 – 63Hz		
Housing Material	PA12 and aluminium	Charge temperature range	-15°C to 40°C 32°F to 104°F

Version	Dimension	Weight	Current	Power	Cooling
sc-ap6-450	225x140x110mm	1420g	13A	450W	-
sc-ap6-750	280x140x110mm	2100g	22A	750W	-
Sc-ap6-1200	300x160x210mm	2830g	36A	1200W	Fan