

ORION Li-ion 25.9V 44.8Ah Battery

Lithium Ion



The ORION Li-ion 25.9V 44.8Ah battery is a popular lithium ion battery. It is intended for use in high capacity, high voltage battery. It can power a wide range of devices including an electric bike, solar cleaner robot etc.

Do not purchase batteries before reading and understanding these safety cautions. Using a lithium ion battery incorrectly may cause it to leak, generate heat, smoke, catch on fire, or explode.



SAFETY

- +The cell must stay in the operating temperatures outlined in its data sheet
- +The cell must not exceed voltage, current, and other ratings in its data sheet
- + Store batteries separately, and do not transport without proper packaging
- +Never store or transport together with conductive or metallic objects particularly in a pocket or bag
- +Do not keep in the sun, in a hot car, or anywhere with direct heat.
- +Recycle discontinued batteries according to local regulations and cover terminals with insulating tape before disposal
- + Discharge end or cut-off voltage in data sheet is lower-limit for discharge cycle and should not be exceeded
- +Charger or device should implement warning for over-voltage, over current, and over-temperature, control of overcharge, and charge timer
- +Be careful not to short-circuit

TECHNICAL DATA

Battery Dimensions	305x186.5x77mm
Battery Weight	6800g
Cell Type	Lithium Ion
Cell Capacity (nominal/minimum) (0.5C Rate)	44.8Ah
Voltage (nominal)	25.9V
Energy Density	1160Wh
Recommended Standard Charge Method	9A, 29.40V CC-CV
Maximum Charge Method	15A, 29.40V CC-CV
Maximum Continuous Discharge	20A
Discharge Cut-off Voltage	19.25V
Cycle Life (80% DOD)	1000 cycles
Operating Temperature	-20°C to 60°C
Storage Temperature	0°C to 45°C