

BOTS 'N' DOGS CHARGING PROCEDURES

Lithium Polymer

DON'T leave LiPo batteries charging overnight.

Adaptors from the charge balance leads (3 or 4 pin white/black plug on the battery) to the LiPo chargers are interchangeable between BC6 and BC6-DX. Feel free to swap as needed to use BC6-DX presets.

If the voltage across all cells is close to or under the discharged voltage level, the battery might be damaged. DON'T charge, discharge, or use damaged LiPo batteries. Email Lucas at lucas.delagarza@ll.mit.edu if this happens.

Capacity (mA*hrs)	BC6-DX preset	Cells (S)	Max charge current (A)	Discharged voltage (V)	Charged voltage (V)
3700	[0]	3	<3.0	10.2	12.6
2200	[1]	3	<3.0	10.2	12.6
1300	[2]	3	<2.0	10.2	12.6
800	[3]	3	<1.0	10.2	12.6
?	None	2	<0.4	6.8	8.4

1. Connect output leads (red plug) and charge balancing leads (3 or 4 pin white or black plug) to BC6 or BC6DX charger. Feel free to swap charge balancing lead adaptors between the two chargers.
2. Select "Balance" (charge).
3. Scroll to correct charge preset (BC6DX) or set battery parameters manually (BC6).
4. Hold "enter" to start. Either charger should beep once charging begins and ends.
5. Disconnect both sets of leads once charging is complete.

12V Lead Acid

Charge onboard the rovers from the 1. V source charger. External batteries may be connected with clips in parallel to the exposed terminals inside the rover.

EEEPc batteries

Charge from normal wall wart.