

BATTERY MANAGEMENT SYSTEM



Battery Tray containing BN6, BN10, and BN25 batteries.

- Compatible with all Geospace battery types, plus supported competitors' battery types
- Shows charging progress both numerically and graphically
- Retrofit existing charging racks
- Tracks individual battery units' health & status by serial number
- Keeps a database of battery history
- Performs battery capacity test

BATTERY MANAGEMENT SYSTEM

Recognizes all Geospace battery types, plus supported competitors' battery types

Charge to 30% for shipping, 60% for storage, or 100% for deployment

The screenshot displays the Battery Management System software interface. The main window shows a table with columns: Rack SN, Slot Position, Battery SN, Tag, Part Number, Battery Type, Voltage (V), Current (Amp), Progress, Slot Status, Slot Temperature (°C), and Last Capacity (Amp-Hours). Below the table, there are controls for MaxVoltage, MaxCurr, MaxTemp, and AvgTemp. A 'Details Rack 3 Slot 1' window is open, showing a table with columns: Operation, Step, Mode, Status, Current Setpoint, Voltage Setpoint, Termination, Amp-Hour, and Time Limit.

Rack SN	Slot Position	Battery SN	Tag	Part Number	Battery Type	Voltage (V)	Current (Amp)	Progress	Slot Status	Slot Temperature (°C)	Last Capacity (Amp-Hours)
3	1	26		454-09420-01	BN25 (2.5Amp Charge)	15.7 (of 16.8 V)	2.5	4%	Charge Charging (100%)	25.9	10.05
3	2	1547		454-09410-02	BN18	16.6 V	0.0	100%	Charge Complete Completed	27.5	
3	3	71329		454-05460-01	BX10 (158Wh)	16.2 V	-1.2	1%	Capacity Test before Storing Discharging (3 of 4)	37.4	7.59
3	4	1164		454-09760-02	BN6	16.3 V	-1.2	1%	Capacity Test before Shipping Discharging (2 of 3)	30.9	7.59
3	5	21415		454-04190-01	LiPo10 (144Wh)	15.9 (of 16.8 V)	1.5	7%	Charge Charging (100%)	30.9	
3	6	79581		454-05460-01	BX10 (158Wh)	15.9 V	-1.2	1%	Charge to Ship Discharging (1 of 2)	37.0	
3	7	1145		454-09410-01	BN18	15.2 (of 16.8 V)	2.5	6%	Charge Charging (100%)	32.4	19.97
3	8	195527		454-05460-01	BX10 (158Wh)	16.2 V	-1.2	1%	Capacity Test Discharging (3 of 4)	40.2	
3	9	4447		454-05460-02	BX6 (105Wh)	16.2 V	-1.2	1%	Charge to Store Discharging (1 of 2)	40.0	
3	10	6963		454-03530-04	LiPo8.3 (115Wh) Yellow	14.7 V	-1.2	1%	Charge to Ship Discharging (1 of 2)	42.0	
3	11	A20735		453-08610-01	Unite Lead Acid	13.1 (of 14.4 V)	1.5	3%	Charge Charging (100%)	31.5	
3	12	L21409		453-08620-01	Unite LiFePO4	13.7 (of 14.6 V)	2.3	4%	Charge Charging (100%)	29.0	

Operation	Step	Mode	Status	Current Setpoint	Voltage Setpoint	Termination	Amp-Hour	Time Limit
Charge	1	Charge	IN PROGRESS	2.5	16.8	Charge Cur...	34.3	20.6

Measured battery voltage

Shows progress numerically & graphically

Capacity Test plus recharge to 30%, 60%, or 100%



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