

FLOODED IS OUT LITHIUM IS IN

What more could your people and equipment do if they had the right tools?



Discover®
Innovative Battery Solutions

“ Can you afford diminishing productivity from your people and equipment investments? If not, you need better tools. ”

Discover Advanced Energy Systems

4 year unlimited cycle warranty¹

400% increase in daily productivity²

40% savings in energy cost³

Lasts 4 the life of your equipment⁴

The **Best** return on your investment⁵



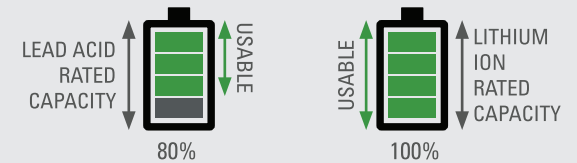
✓ Delivers peak capacity for 100s of times longer than Flooded batteries

✗ The world's highest quality Flooded batteries only operate at their rated capacities for less than 10% of their published service life



✓ Thrives at Partial State of Charge (PSOC) use or extreme Depths of Discharge (DOD)

✗ Operating Flooded batteries at PSOC or at extreme DOD will quickly diminish service life and result in frequent and costly battery replacements

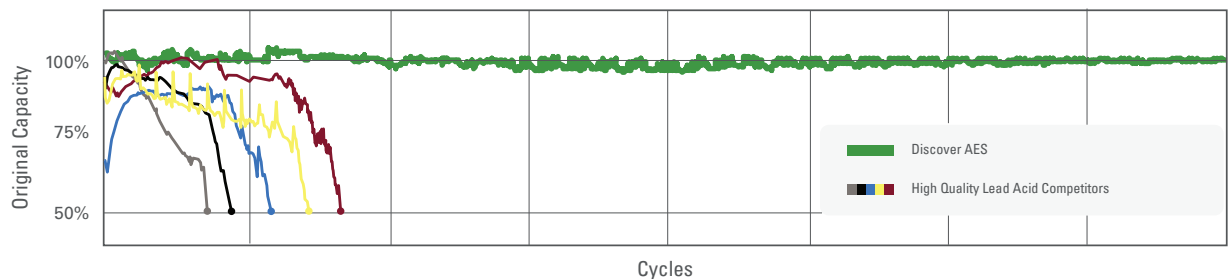
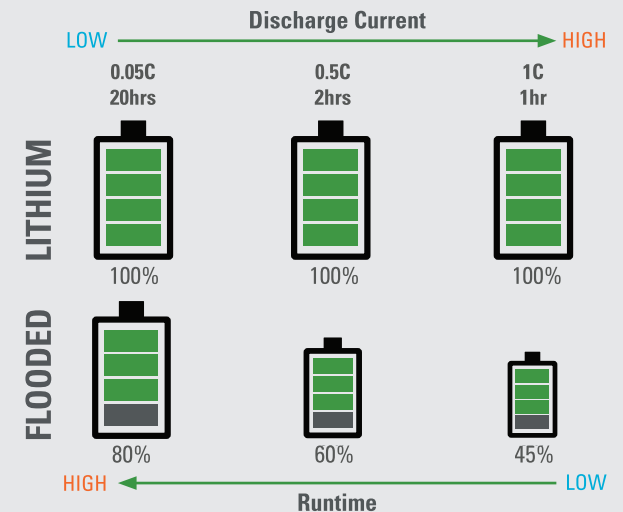


✓ Maintains consistent capacity across all discharge currents

✗ Flooded batteries should only be discharged to 80% DOD maximum

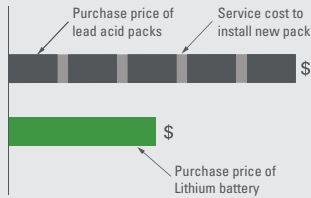
✗ Flooded batteries deliver less capacity as discharge currents increase

✗ Motor current loads in amps go up as Flooded batteries discharge and their voltage drops

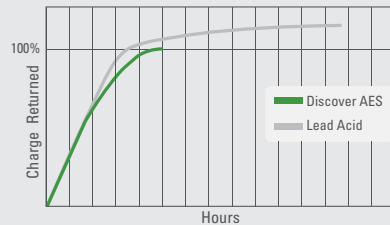




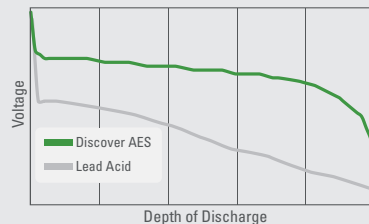
- ✓ **Total Cost of Ownership is almost half that of Flooded batteries before energy savings**
- ✓ **Energy saved during re-charge will reduce utility costs by 100's of dollars per machine per year**
- ✗ The average useful life of Flooded batteries in demanding traction applications is 16 months
- ✗ The average life expectancy of floor equipment is 8 years before refurbishment or disposal
- ✗ The average floor scrubber will require 5 sets of Flooded batteries over the course of its useful life
- ✗ Average battery change-out requires 3 hours of service



- ✓ **Charge efficiency is greater than 95%, resulting in reduced charge times (<2hrs) and reduced energy bills**
- ✗ Flooded charge time is 8-12 hours
- ✗ Flooded charge efficiency is only 85%



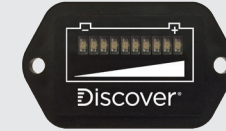
- ✓ **Flat and stable voltage during discharge reduces motor fatigue and wear and tear**
- ✗ Flooded battery's voltage sags during discharge causing motors to run hotter and wear out faster



UN38.3 PASSED
TRANSPORT SAFETY CERTIFIED

	12-48-6650	48	6656	130	18.5 (471.5)	13.3 (338.5)	14.7 (375)	192 (87)	260
	12-36-6700	36	6720	175	18.5 (471.5)	13.3 (338.5)	14.7 (375)	192 (87)	350
	15-36-1000	36	960	25	10.2 (258)	6.6 (167)	7.8 (198)	273 (12.4)	50
	14-24-2800	24	2816	110	13 (329.5)	13.3 (338.5)	10.8 (276)	88 (40)	220
	15-24-1000	24	1024	40	10.2 (258)	6.6 (167)	7.8 (198)	273 (12.4)	80
Type No.									
Volts									
1HR Energy (Wh)									
1HR Capacity (Ah)									
Length in (mm)									
Width in (mm)									
Height in (mm)									
Weight lb (kg)									
20HR Equivalent Lead Acid Capacity (Ah)									

ACCESSORIES



- ✓ **Discover Advanced Energy System compatible State of Charge (SOC) indicators communicate with the battery's integrated BMS to display accurate SOC information**



Ask us about our
PRODUCTIVITY BOOTCAMP!

- ¹ 4 years or 2800 times the battery's energy ratings in TOTAL ENERGY THROUGHPUT warranty. See www.discoverbattery.com for complete warranty details.
- ² Based on a 24 hour day and assumes a high output charger is used.
- ³ Over equipment using standard lead acid batteries and chargers.
- ⁴ Based on Battery Council International standards for battery end of life characteristics, and average equipment life of 6 to 8 years in the floor care industry.
- ⁵ AES systems are virtually maintenance free and will maintain their original performance (travel as far or clean as many floors) for many times longer than high quality lead acid technology that begins to lose capacity immediately after its initial break-in period. AES will eliminate the need for 5 or more lead acid replacement sets and related service calls and down time.

discoverbattery.com

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