



DBX-Power

AGM Batteries

Deep Cycle Batteries

Codes: 19403 (Hurricane Rally)

19404 (Hurricane Maxi & 450 XTT)

19405 (Hurricane Mini)

19406 (Gladiator 464 & 664)

19409 (Labrador Series, Hurricane 400 XTT)

19417 (Hurricane 700, 850, 890 & 900 XTT)





DBX-Power Series Batteries

Power Through Your Cleaning!

Don't let your batteries stall your cleaning. The new AGM batteries are designed as a long-lasting, durable, reliable and safer battery solution. Known for their enhanced electrical reliability, they offer an even lower internal resistance and greater plate area, which provides the ability for the batteries to recharge much faster.

Dustbane's newest DBX-Power batteries are specially designed for frequent deep cycle discharge. By using the specially designed active material and strong grids, the DBX-Power battery offers reliable performance in high load situations and can deliver more than 600 cycles at 80% DOD (depth of discharge). Suitable for most of our Hurricane auto-scrubbers as well as the Gladiator 464 sweeper.

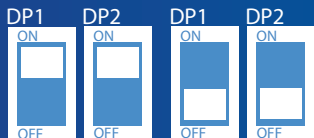
- Remarkable recovery from deep discharge
- Lead calcium grids for extended life
- Sealed and almost maintenance free
- Virtually spill-proof
- Shock and vibration resistant
- Electrolytes suspension system incorporates microfine glass mat to retain the maximum amount of electrolyte in the cell
- Features oxygen recombination technology to effectively control the generation of gas during use
- Equipped with simple, safe, low pressure venting system which releases excess gas



Maintenance & Cautions:

- Avoid battery over discharge, especially battery series connection use
- Charge with recommended voltage, ensure battery can be fully recharged. In general, recharge capacity should be 1.1-1.15 X discharge capacity
- The charge voltage should be reduced with increased temperature. Temperature compensation is required when the temperature of the battery is expected to be less than 10°C or more than 30°C during long periods of time.
- There are a number of factors that will affect the length of cyclic service. The most significant are depth of discharge, ambient temperature, discharge rate, and the manner in which the battery is recharged. Generally speaking, the most important factor is depth of discharge
- Charge the batteries at least once every six months if they are stored at 25°C

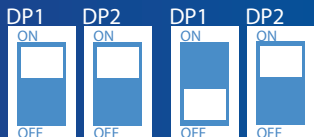
** Please refer to the Dustbane Battery Maintenance Guide*



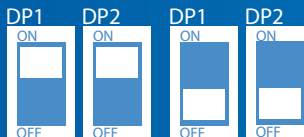
19403
Settings for the Hurricane Rally



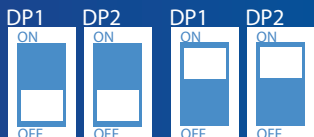
19409
Settings for the Hurricane
400 XTT & Labrador Series



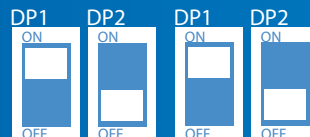
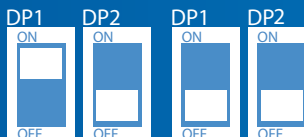
19404
Settings for the Hurricane Maxi
& 450 XTT



19417
Settings for the Hurricane 700, 850
& 890 XTT (*on the left*)
Settings for the Hurricane 900 XTT
(*below*)



19405
Settings for the Hurricane Mini

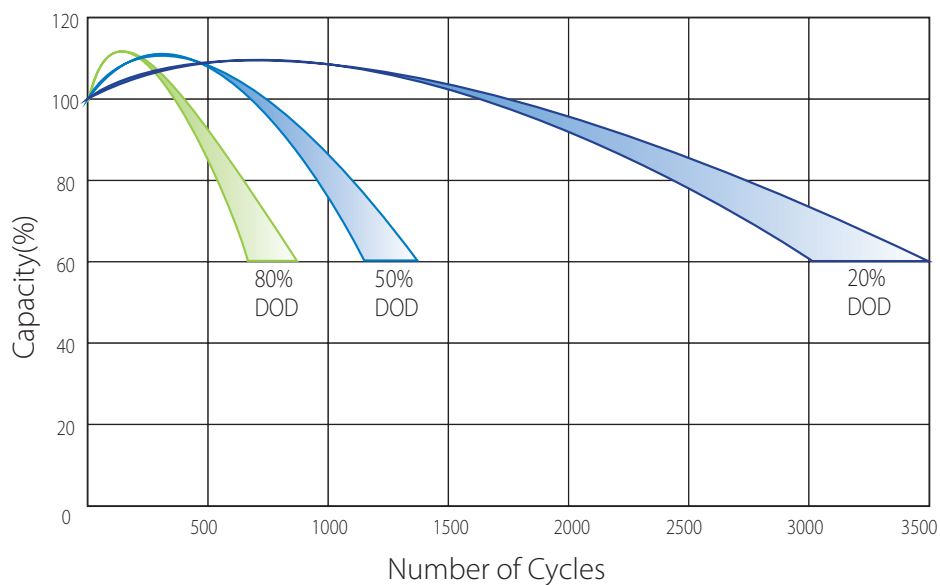


DIP Switch Configurations

The DIP switches on your charger MUST be set as per above for proper charging of the battery.



Cycle Life in Relation to Depth of Discharge



The cycle life is a specification that attempts to define how many charge and discharge cycles a battery can undergo before it needs to be replaced.

A single cycle occurs when the battery is charged and then discharged. Generally speaking, the lower the depth of discharge, the greater the cycle life.

The DBX-Power Series battery is designed for the cleaning industry and can easily deliver more than 600 cycles at 80% DOD.

*Not just your average AGM battery!
Discover why the DBX-Power Series
is a game changer in the industry*



Deep Cycle Batteries

Improved Battery Capacity

A truly innovative battery with an improved capacity. For most batteries, the Amp Hour specification is normally based on a twenty hour rate. The Amp Hour specification for the DBX-Power batteries is based on a ten hour rate.

Outstanding Performance

Optimized for frequent discharge deep cycle application, characteristic of daily floor scrubber and sweeper operations. By using the specially designed active material, strong grids and thick plate construction, the DBX-Power batteries offer reliable performance in high load situations and offer 30% more cycle life.

Minimal Maintenance

Almost maintenance-free batteries designed to offer an extended life. DBX-Power batteries are based on VRLA technology (Valve Regulated Lead Acid), meaning they require little ventilation, do not have to be positioned upright, and require very minimal maintenance.

Specifications	19403	19404	19405	19406	19409	19417
Manufactured For	Hurricane Rally	Hurricane Maxi & 450 XTT	Hurricane Mini	Gladiator 464 & 664	Labrador Series Hurricane 400 XTT	Hurricane 700, 850, 890 & 900 XTT
Cells per Unit	3	6	6	6	6	3
Voltage per Unit	6	12	12	12	12	6
Capacity (20 h @ 25°C)	225 Ah	75 Ah	33 Ah	45 Ah	110 Ah	225 Ah
Max Discharge Current	2250 A (5 sec)	750 A (5 sec)	330 A (5 sec)	450 A (5 sec)	1100 A (5 sec)	2250 A (5 sec)
Internal Resistance	~ 2 mΩ	~ 6 mΩ	~ 9 mΩ	~ 7 mΩ	~ 5 mΩ	~ 2 mΩ
Operating Temperature Range	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C
Normal Operating Temperature Range	25°C ± 5°C	25°C ± 5°C	25°C ± 5°C	25°C ± 5°C	25°C ± 5°C	25°C ± 5°C
Float Charging Voltage (@ 25°C)	6.8 to 6.9 VDC/unit	13.6 to 13.8 VDC/unit	13.6 to 13.8 VDC/unit	13.6 to 13.8 VDC/unit	13.6 to 13.8 VDC/unit	6.8 to 6.9 VDC/unit
Recommended Maximum Charging Current Limit	67.5 A	22.5 A	9.9 A	13.5 A	33 A	67.5 A
Equalization and Cycle Service (@ 25°C)	7.3 to 7.4 VDC/unit	14.6 to 14.8 VDC/unit	14.6 to 14.8 VDC/unit	14.6 to 14.8 VDC/unit	14.6 to 14.8 VDC/unit	7.3 to 7.4 VDC/unit
Self Discharge	Valve Regulated Lead Acid (VRLA) batteries can be stored for more than 6 months at 25°C. Self-discharge ratio less than 3% per month at 25°C. Please charge batteries before using.					
Terminal	F22/Double Terminals	Terminal F11/F15	Terminal F7/F11	Terminal F4/F11	Terminal F5/F12	Terminal F22/F14
Dimensions (L x W x H)	9.5" x 7.25" x 11.5" (24.1 x 18.4 x 29.2 cm)	10.2" x 6.7" x 9.3" (26 x 16.9 x 23.5 cm)	7.7" x 5.1" x 7.1" (19.5 x 13 x 18 cm)	7.7" x 6.5" x 6.7" (19.8 x 16.6 x 17.1 cm)	12.9" x 6.78" x 8.7" (32.8 x 17.2 x 22.2 cm)	10.2" x 7.0" x 11.1" (26 x 18 x 28.1 cm)
Weight	~ 32.0 kg	~ 23.5 kg	~ 10.2 kg	~ 14.6 kg	~ 32.0 kg	~ 32.0 kg