Battery Reference Guide

Machine	Working Width (Inches)	Battery Type	Battery Name	Estimated Run Time (Hours)	Practical Cleanable Sq Ft per Charge	Recommended for facilities up to (Sq Ft)	Estimated Battery Life Cycles	Estimated Recharge Time (Hours)
150	14	Li Ion	Li Ion 150B (1)	0.33	300	600	800	1.5
350	15	XFC	12NXS26 (2)	1	3,500	5,833	800	3
350	15	AGM	Trojan 12V (2)	0.75	2,700	4,500	400	4
350	15	Li Ion	Li Ion 350B (1)	1.1	3,850	6,417	1000	2.5
455	17	XFC	NX61 (2)	2	9,100	15,167	800	3
455	17	AGM	Full River 12V (2)	1.5	6,800	11,333	500	5
755	17	Gel	Trojan 12V (2)	2	16,252	30,000	600	5
855	20	Gel	Trojan 12V (2)	2	17,100	32,000	600	5
1255	22	Gel	Trojan 12V (4)	4	54,000	80,000	600	9
1655	26	Gel	Trojan 6V (4)	3.75	66,000	105,000	600	8
1655	26	Wet Cell	Crown 6V GC6 (4)	3.75	66,000	105,000	700	8
1855	34	Gel	Trojan 6V (4)	3.5	70,000	120,000	600	8
1855	34	Wet Cell	Crown 6V GC6 (4)	3.5	70,000	120,000	700	8
2100	22	Gel	Trojan 6V (4)	4	84,000	140,000	600	9
XP-R	30	Gel	Trojan 6V (4)	4	94,000	150,000	600	9
XP-M	30	Gel	Trojan 6V (4)	4	96,000	160,000	600	9
2500	28	AGM	Full River 6V (4)	4	115,000	175,000	700	9
2500	28	Wet Cell	Trojan 6V L16HG (4)	4.5	120,000	190,000	750	10
4000	34	AGM	Full River 6V (4)	4	160,000	260,000	700	9
4000	34	Wet Cell	Trojan 6V J305H (4)	4.5	180,000	300,000	750	10
5000	41	AGM	Full River 6V (4)	4	200,000	330,000	700	9
5000	41	Wet Cell	Trojan 6V J305H (4)	4.5	225,000	375,000	750	10
Swingobot 2000®	28	Gel	Trojan TE35 6V (4)	4	40,000	70,000	600	8

Assumes a cleanable square footage multiplier of 60%

Battery Killers	
Temperature	Heat is created in-use and while charging and is the most critical factor.
Opportunity Charging	Frequent opportunity/intermediate charging, causes the cell to heat-up more often and does not allow a cool down phase before usage. Under sizing your battery pack, forces maximum use and therefore maximizing heat of the pack.
Deep Discharging	When a battery is used (discharged) below the allowable level specified by the manufacturer of that battery.
Incomplete Charges	Correct charging is the most crucial process to achieve expected performance and life-time. Once your battery is on charge, allow it to fully charge before use. As a rule of thumb, double the amount of run-time usage and add 1-hour to get the appropriate charge time needed to fully charge your batteries.

Refer to the TASKI® Battery Handbook for more information

Helpful Hints	
Application Based Selection	Make sure you understand your customer needs and choose the right machine/battery combination for their needs. Do not forget to consider the time needed for a complete charging of the battery pack.
Batteries Equal Productivity	Think of batteries like you would a tank of gas for your car. Many factors contribute to how far you'll go on that tank and how productive you'll be. Once you've went as far as you can on that tank, re-fill all the way. In other words, charge the battery until it's full and do not take it off charge prior to that. Also, there's no reason to overfill/over charge.
Safety First	All batteries are dangerous and should be treated with care. Be smart and be safe.