

# B20SC



**HILLYARD**  
The Cleaning Resource®

**TRIDENT®**

Better Built. Better Equipment.

# Better Built. Better Equipment.

Our Trident Brand of equipment starts from the ground up - at a place where intelligent design intersects with innovative technology and exceptional engineering to deliver superior cleaning equipment. Cleaning equipment that lowers your total cost of ownership, reduces your cost to clean and improves cleaning results. It's what you expect out of your equipment investment, and it's what we deliver. We're Hillyard, The Cleaning Resource, since 1907.



Intelligent  
Design



Exceptional  
Engineering



Innovative  
Technology



Productivity: Up to 16,000 Sq. Ft. per hour



## Longer Life For Components Reduced Maintenance Costs

The B20 body completely covers the frame and the components, protecting them against damage from impacts, extending component life and minimizing repair cost.



## Uninterrupted Productivity

Up to 5 working hours on a single battery charge.



## High Visibility for Safe Operation

The compact design of the B20 ensures high visibility during operation, and while cleaning along walls or around obstacles.



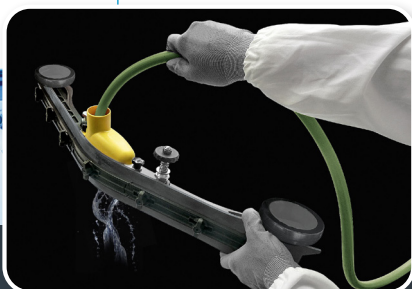


### Simple Intuitive Controls

The electronic control panel with AUTO feature activates all scrubbing functions at the same time ensuring constant cleaning performance.

### Easy Fill Onboard Hose

The dripless hose for water filling can be directly connected to most faucets, saving time and simplifying the filling operation.



### Yellow Color-Coded Parts

Parts that should be cleaned daily are color coded in yellow. This saves time and makes sure your scrubber is kept in perfect condition at all times.



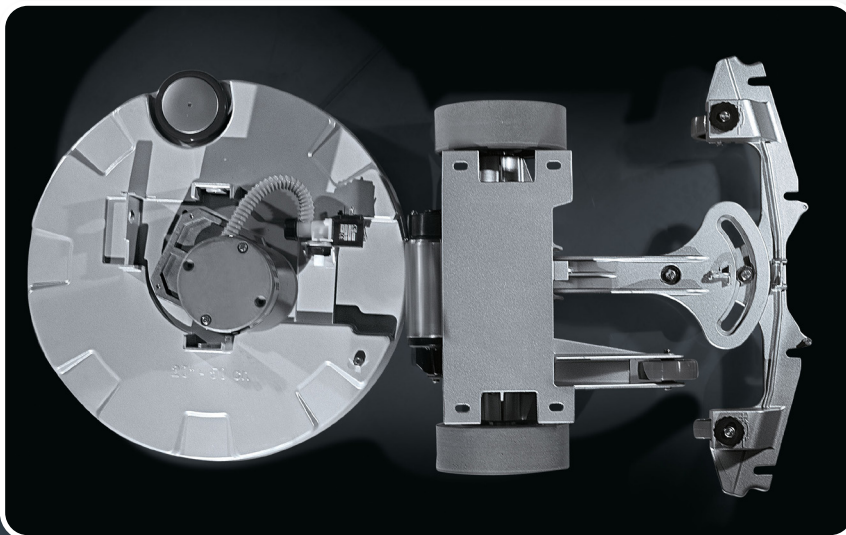
## Onboard Dosing Cup

Accurately mix the proper amount of cleaning solution, eliminating waste and ensuring performance. It's cost effective too.

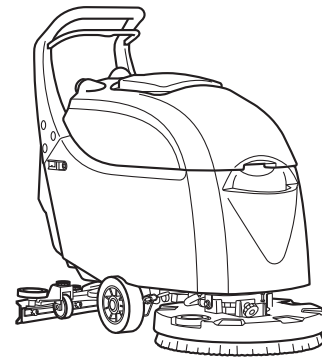


## Uni-Chassis Construction Designed to Last a Lifetime

The chassis is a single piece engineered out of aluminum. It's more impact-resistant and corrosion-resistant than traditional scrubber frames constructed from steel. The B20 will perform well even in toughest environments.



Specifications		B20SC
Hillyard Item Number		HIL56003
Cleaning Path	In	20
Squeegee Width	In	28
Disc Brushes	(No.) In	(1) 20
Solution Tank	Gal	10.8
Recovery Tank	Gal	10.8
Supply/Traction	V	24/Brush Assist
Acoustic Level (Iso 11201)	Db (A)	<53
Brush Motor(s)	(No.) V/W	(1) 24/500
Vacuum Motor	V/W	24/310
Brushes RPM	RPM/Min.	140
Brush Pressure	Lb	50
Forward Speed	MPH	0 - 1.86
Gradeability	%	2
Productivity	Sq.ft/Hr	16,000
Battery Compartment Dimensions (L,H,W)	In	13.9, 9.8, 13.1
Machine Dimensions (L,H,W)	In	46.5, 40.6, 23.2
Charging System		Onboard
Machine Weight (Without Battery)	Lb	152
Contents		1 - Machine 1 - Nylon Brush 1 - Pad Holder 1 - Charging Cord 1 - Owners Kit



Squeegee Replacement Guide	B20SC
Front and Rear Squeegee Kit	HIL219451

Brush and Pad Guide	B20SC
Brush - Soft, 0.3MM PPL, Blue	HIL404654
Brush - Medium, 0.6MM PPL, White (Standard)	HIL405631
Pad - Red	HIL42220

Battery Recommendations - Sold Separately	Discover Energy	Trojan	U.S. Battery
Type	AGM	Wet	Wet
Quantity Required	2	2	2
Size	12V / 100 Ah	12V / 105 Ah	12V / 105 Ah
Dimensions (L,W,H - Inches)	12 3/4 x 6 3/4 x 9 3/4	12 3/4 x 6 3/4 x 9 3/4	12 3/4 x 6 3/4 x 9 3/4
Weight (Each), Lbs.	55	59	64
Hillyard Item Number	DIEEV27AA	TRO27TMX	UBMUS27DCXC2



**HILLYARD**  
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LIT-B20SC-1123

# The battery that's always ready for work!



## No more watering or waiting to charge

Virtually maintenance-free NexSys® PURE batteries never need watering, so there's never a risk of spills on clean floors. Thanks to Thin Plate Pure Lead (TPPL) technology, NexSys PURE batteries provide longer life, lower corrosion rates and higher energy throughput.

## A safer, cleaner choice for carpets and public spaces

Sealed NexSys PURE batteries generate minimal gassing, so they are a great option for retail or public environments. With a shelf life of up to two years, NexSys PURE batteries will be ready to go after sitting idle for months. They can also be full fast charged in less than two hours and opportunity charged during breaks or whenever convenient. Plus, NexSys PURE batteries have integrated data communication tools that issue automatic alerts when it's time to recharge and capture operating data for battery monitoring.

## Thin Plate Pure Lead (TPPL) Design

NexSys® PURE batteries are constructed with pure lead plates. Pure lead plates are extremely thin, so more of them fit into the battery. More plates mean more power – up to 20% more power than the same sized conventional flooded battery.

## Superior Storage Life

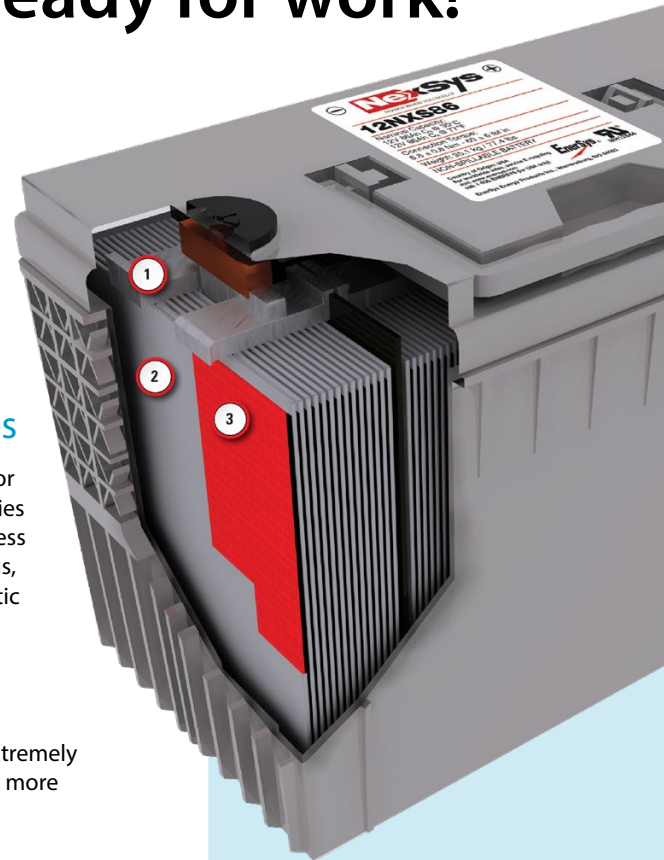
NexSys PURE batteries will be ready for work even after months of inactivity – when fully charged, NexSys PURE Gen 1 batteries have a storage life of up to 24 months and NexSys PURE Gen 2 batteries will last up to 18 months.

## Protection from Over-Discharge™ - POD™

To support frequent charges, NexSys batteries are equipped with a Protection from Over-Discharge™ (POD™) device that analyzes battery voltage and State of Charge (SOC) during operation and storage. The device issues audible and visual reminder alarms when the battery requires charging.

## Full Replacement, 3 Year Warranty Coverage

When installed in Hillyard Trident Equipment, and recommended operating procedures are followed, the EnerSys Nexsys platform offers 3 years full replacement as long as the POD was installed. Effective from date of invoice.



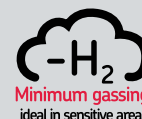
- 1 Robust Connections**  
 Cell connectors are cast on the plates and bonded to resist vibration.
- 2 Pure Lead Plates**  
 Constructed of 99% pure lead, the plates are extremely thin so more of them can fit in the battery.
- 3 Compressed Plate Separators**  
 Separators are compressed before being inserted in the case for extreme vibration resistance.



No watering, battery cleaning or long equalize charges



Optimized cycling performance and high energy throughput



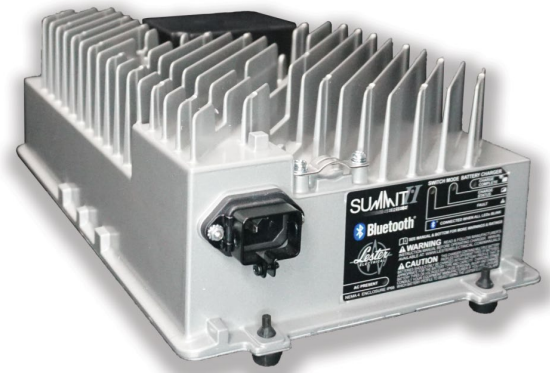
Minimum gassing and sealed



Cell connectors are cast and bonded to the plates



# SUMMIT SERIES® II CHARGERS



## BLUETOOTH®

Featuring Bluetooth wireless communication with apps for Apple® and Android™ phones and tablets. View charge cycle status, select the active battery profile, upload new profiles, change between on-board and off-board and download charge history records anytime using just a smart phone or tablet.



## PERFORMANCE

Our Summit Series® II provides industry-leading charging performance and intelligence. Our proprietary Progressive DV/DT™ charge algorithm ensures a precisely charged battery every time. The chargers are tested in extreme temperatures and operating conditions and built to last.



## EFFICIENCY

Our switch mode (high frequency) chargers have best-in-class efficiency and are compliant with the latest DOE and CEC, standards. We operate a CEC approved laboratory in our Lincoln, NE manufacturing plant.

## Full Replacement, 3 Year Warranty Coverage

Three year full replacement from the date of invoice.

Scrubber		Foam Inserts		Battery									Charger					
Model	Item No	Insert-A 1/machine unless noted	Insert-B 1/machine unless noted	Qty	Hil Item No Prefix (EnerSys Block In Bold)	Bat Ah @C5	Dimensions			Wt. Lbs.	Ah @17% charge rate/ hr	Charger Min Amp Output	EnerSys POD	Lester Model	Hil Item No	Charging Battery Profile #	OnB Charger Bypass	Spare Hardware Kit
							L	W	H									
B20SC*	HIL56003	n/a	n/a	2	<b>ESY12NXS86</b>	86	12	7	9	77.4	14.7	17	ESY6LA11921	650	HIL34787	22657	N/A	Local Source
T20SC Pro	HIL56005	n/a	n/a	2	<b>ESY12NXS120</b>	120	13.5	7.25	11	94.8	20.4	21	ESY6LA11921	650	HIL34787	22659	HIL436428	ESY32079818
T20SC Pro Orb	HIL56006																	
T26SC Plus	HIL56007																	
R22SC Orb	HIL56008																	
R22SC	HIL56010																	
R26SC Plus	HIL56026																	
R26SC Pro	HIL56027																	
R30SC	HIL56009	HIL36000	HIL36003	2	<b>ESY12NXS157</b>	157	17.5	7	10.5	117	26.7	27	ESY6LA11921	1425	HIL34788	22854	HIL436428	ESY23010422
R30SC Plus	HIL56011	HIL36000	HIL36003															
R28SC Plus Orb	HIL56012	HIL36000	HIL36003															
T28S Pro	HIL56028	HIL36002	n/a															
T30SC Pro	HIL56029	HIL36002	n/a															
R36S Plus**	HIL56013	HIL36001	HIL36000 requires 3	3	<b>ESY12NXS186</b>	186	22	5.25	12.75	131.1	31.7	33	ESY6LA11921	1425**	HIL34788	22806	n/a	ESY32079819
R36SC Plus**	HIL56020																	

\*B20 also requires LE543844 adapter cable. \*\* Charger set up for R36 models also require adapter cable HIL449979.