

COMPARISON CHART OF MAJOR LITHIUM AND LEAD ACID MANUFACTURERS 2.12.19



www.OneCharge.biz

CATEGORY	OneCharge	Navitas	Green Cubes	BYD	NEXUS TPPL
CHEMISTRY	LiFePo4	LiFePo4	LiFePO	LiFePo4	Lead Acid
VOLTS	24, 36, 48, 72, 80, 96, 120, 144	24, 36, 48	24, 36, 48, 80, 96	80	12, 24, 36, 48
AH CAPACITY	90-2000	300-1050	100-1200	230-540	137-1150
BATTERY SIZES	400+	28	22	6	26
MHE	Class I, II, III	Class I, II, III	Class I, II, III	Class I Pneu Only, II, III	Class I, II, III
WARRANTY	5 Year, 3000 Cycles	5 Year, 3000 Cycles	5 Year, 3000 Cycles	10 Year, 20,000 Hours	36 Month, 1200 Cycles
BMS	YES	YES	YES	YES	POD
CAN OPTION	YES	YES	YES	N/A	NO
EXTERNAL BDI	YES	YES	YES	N/A	YES
FREEZER Package	FROST 1 32 TO 68, FROST 2 -22 TO 68	Cold Storage -40 to 113 / 32 to113	YES	NO	NO
SEAL KIT	YES	YES BMS	UNKNOWN	N/A	NO
EXTRA WEIGHT/BALLAST	YES	LIMITED -Pre order extra weight ONLY	UNKNOWN	N/A	NO
WIRELESS ENABLED	YES	YES	YES	N/A	YES
RECYCLE PROCESS	YES	YES	YES	UNKNOWN	YES
FLEXIBLE DESIGN	Custom ballast and cell configurations based on case size.	Fixed Ballast, Uses Cell Packs for different AH Capacities	Uses Cell Packs for different AH Capacities	Must buy their equipment to get the Lithium Technology, NSS, LIFT BATTERY AND CHARGER SOLD AS ONE UNIT	LEAD ACID DESIGN WITH THIN PLATE PURE LEAD TECHNOLOGY
YEARS IN BUSINESS	SINCE 2012	SINCE 2010	SINCE 1986	SINCE 2009	OVER 100 YEARS
UL TESTING ISO TESTING	UL2580 IN PROCESS	UL RECOGNIZED MH61859	Constructed from UL approved components	UL2580 in 2013	ISO 9000
HYG UNISOURCE PROGRAM	YES	YES	NO	NO	YES
SERVICE DEPT	YES, FACTORY & DEALER	2 SERVICE TECHS	YES	YES	FACTORY STORES



www.onecharge.biz

All information presented in a field was compiled from the manufacturer's websites, downloadable brochures, dealer websites and printed literature available to the public, through the manufacturers dealer network or distribution channel.

"Flexible Design" and "Service Dept" Categories are either OC conclusions or best information gathered through our dealer networks at the time of this writing. Some fields marked YES or NO will confirm basic category data but technical details were unavailable. Any field marked UNKNOWN or N/A reflects the fact that the comparable data was not readily available or did not apply for that manufacturer. OC information is current at the time of this writing but is subject change at any time based on product revisions.

Navitas:

<https://www.navitassys.com/products-systems/lithium-motive-battery-systems/> <https://www.navitassys.com/wp-content/uploads/2018/04/Navitas-Systems-Starlifter-Lithium-Forklift-Battery-Pack-Data-Sheet-0312218MF-FINAL.pdf>

Green Cubes:

<https://greencubestech.com/about/>
<https://greencubestech.com/motive/>

-Also, see DOWNLOADS section at bottom of this page for several links to sources for data compiled.

BYD:

<http://byd-forklifts.com/models/> <http://byd-forklifts.com/wp-content/uploads/2016/06/ECB16ECB18.pdf> <http://byd-forklifts.com/wp-content/uploads/2016/06/ECB20ECB25.pdf> <http://byd-forklifts.com/wp-content/uploads/2016/06/ECB27.pdf> <http://byd-forklifts.com/wp-content/uploads/2016/06/ECB30ECB35.pdf> <http://www.cal-lift.com/byd.html>

Energys Nexsys TPPL:

<https://www.energys.com/GlobalLanding.aspx> <https://www.energys.com/default.aspx?langType=1033> -Also, see DOWNLOADS section at bottom of this page for several links to sources for data compiled. https://www.energys.com/Application_Landing.aspx?langType=1033
<https://en.wikipedia.org/wiki/EnerSys>