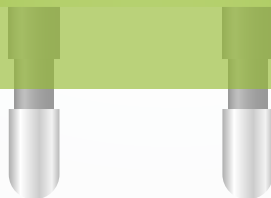


Three stylized green leaves with dew drops are arranged around the title text.

# Powering Cleantech revolution



Lithium Batteries



# Built to Last



## In support of excellence

Throughout our manufacturing process Balqon Corporation is committed to creating superior value for our customers. From manufacturing of the battery cells by our partner Winston Battery Company to delivery of completed assemblies all products are 100% tested prior to delivery. State of the art automated manufacturing facility with production capacity of 100 million amp hours (AH) provides batteries for electric buses, electric boats, trucks, tractors, storage products (peak-load regulation), solar, wind and geothermal energy storage solutions.

# Rare Earth Yttrium Oxide Winston Battery

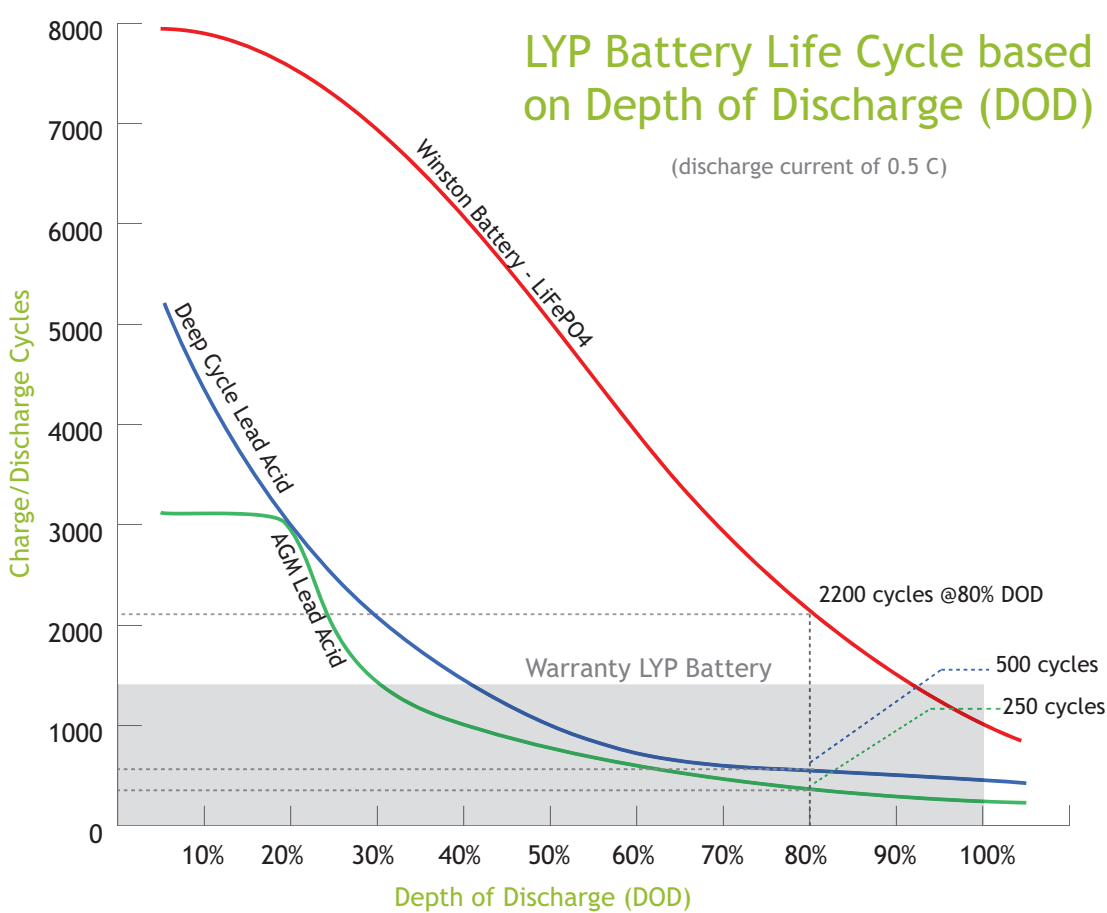
Company adapts Yttria-doped lithium carbonate and potassium, sodium and other elements which are combined with iron lithium powder to create Rare Earth Yttrium Battery. The batteries feature high temperature, long life and high power. These batteries are ideal for clean energy storage for use in electric vehicles, backup power storage and energy storage applications.



## Our History

Balqon Corporation founded in 2005 is world's first manufacturer of Class 7 and 8 battery powered electric trucks. All our trucks are equipped with Lithium batteries manufactured by Winston Battery Company. We are exclusive distributors of Winston Batteries in North America and carry the largest inventory of lithium batteries in North America. Winston Battery Company is a high technology conglomerate enterprise specializing in research, development and production of rare earth lithium battery and has intellectual property rights and patents for rare earth Lithium batteries. The Company started research in this area in 1993 and began small scale production in 1998. Since 1998 the Company has built plants for rare earth lithium Yttrium cathode material, assembly plants, rare earth permanent magnet motor plant and electric powertrain assembly plant.

# Four times longer life, Three times Energy Density



One of the key benefits of LYP battery is the longer life when compared to the current deep cycle lead acid batteries. The Battery “Cycle” is a complete discharge and charge cycle. Cycle is usually considered as discharging of the battery from 100% state of charge (SOC) to 20% depth of discharge (DOD). Battery life is directly related to how deep the battery is cycled each time. Lower the discharge rate, longer the battery life. In most applications battery storage is designed for 80% depth of discharge to reduce battery weight and acquisition costs.

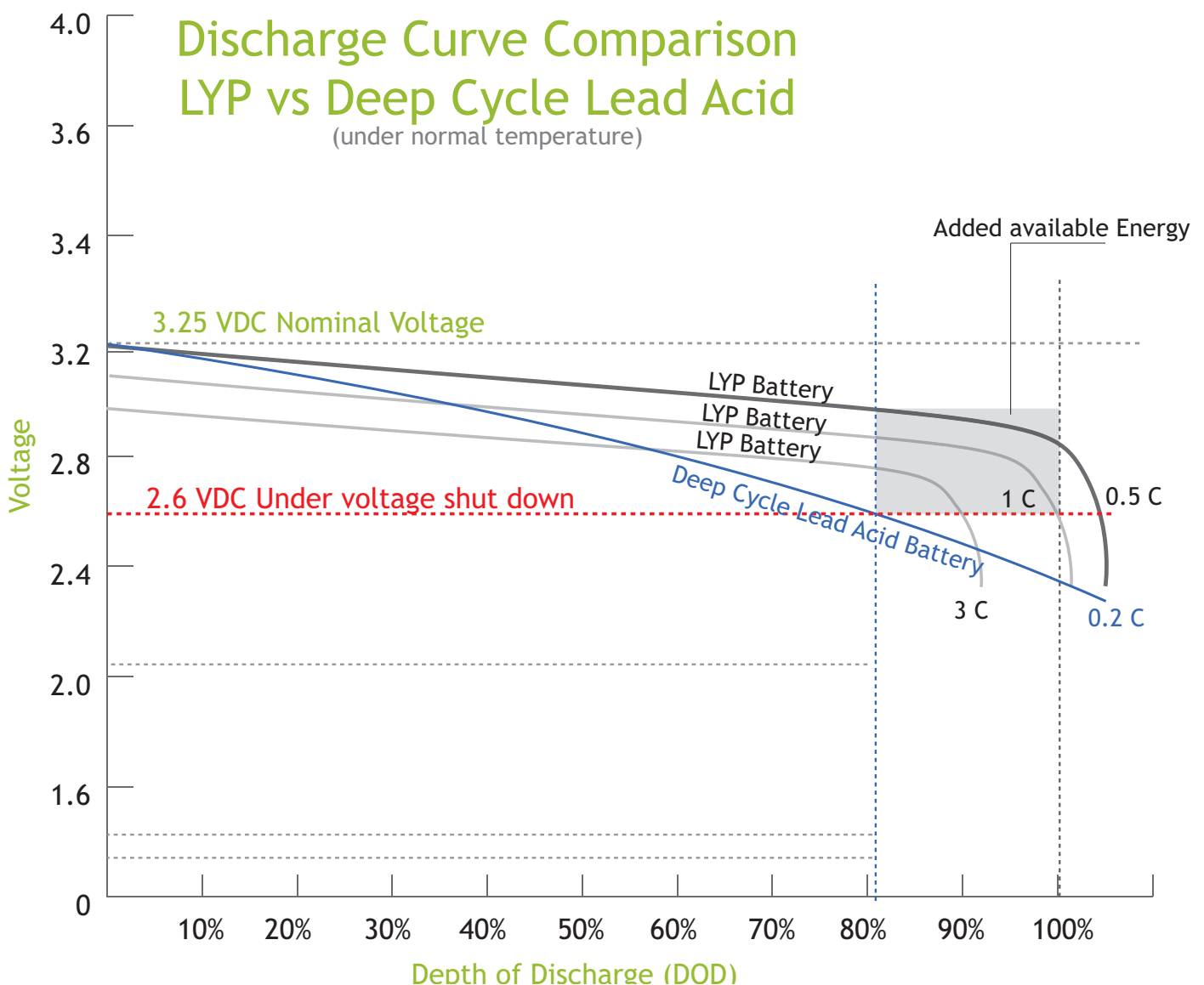
In LYP battery have over 4 times longer life than deep cycle lead acid batteries in deep discharge applications. The life advantage grows to 10 times when compared to AGM Batteries most commonly used in stationary, backup storage applications and in material

handling industry. Lithium Iron Phosphate, is used as cathode material for lithium-ion batteries, with chemicals such as iron and phosphate abundantly available on Earth. In transportation applications weight of the batteries plays a significant role in determining vehicle range. Lithium-ion batteries have more than three times the energy density than comparable lead acid batteries. In addition deep discharge capability of lithium-ion batteries provides 20% additional capacity than lead acid batteries. The energy density advantage combined with ability to discharge batteries to 100% of its capacity makes LYP batteries ideal for use in automotive applications.

Model LP	Capacity Nominal	Operation Voltage	Max Charge Current	Cycle Life @80%	Weight (kg)	Length (mm)	Width (mm)	Height (mm)	Post Distance (mm)
WB-LP12V40AH	40 Ah	11V-16V	< 3CA	3-5 Years	7.0 +/-100g	225	125	208	140
WB-LP12V60AH	60 Ah	11V-16V	< 3CA	3-5 Years	10.0 +/-200g	282	125	230	182
WB-LP12V90AH	90 Ah	11V-16V	< 3CA	3-5 Years	13.0 +/-200g	282	155	248	183



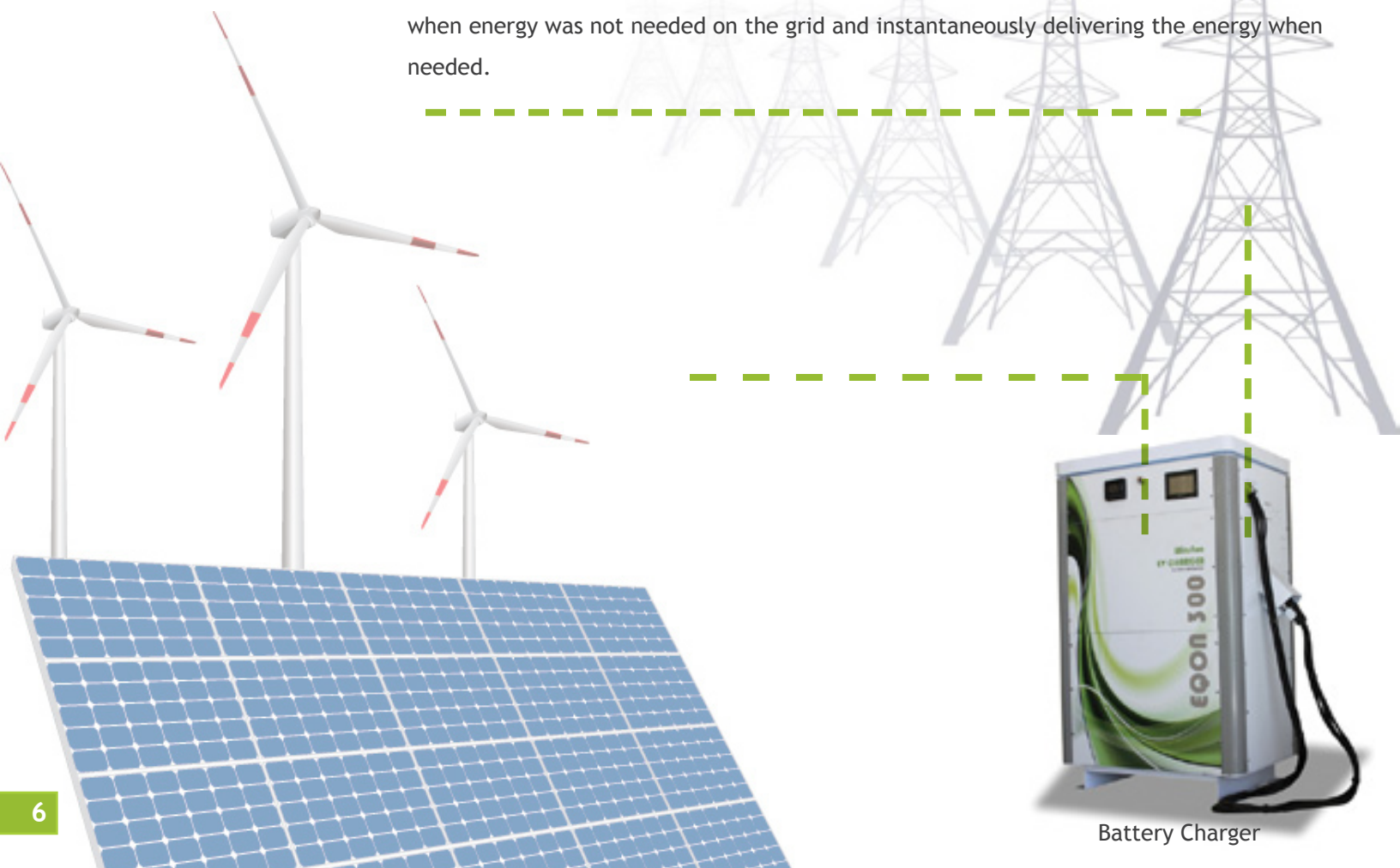
Model LYP	Capacity Nominal	Operation Voltage	Max Charge Current	Cycle Life @80%	Weight (kg)	Length (mm)	Width (mm)	Height (mm)	Post Distance (mm)
WB-LYP40AHA	40 Ah	4.0 V-2.8V	< 3CA	2000	1.5 +/-50g	116	46.0	183	61
WB-LYP60AHA	60 Ah	4.0 V-2.8V	< 3CA	2000	2.3 +/-50g	115	61.0	203	61
WB-LYP90AHA	90 Ah	4.0 V-2.8V	< 3CA	2000	3.0 +/-100g	143	61.0	218	82
WB-LYP100AHA	100 Ah	4.0 V-2.8V	< 3CA	2000	3.5 +/-100g	179	62.0	218	106
WB-LYP160AHA	160 Ah	4.0 V-2.8V	< 3CA	2000	5.6 +/-100g	209	65.0	280	120
WB-LYP200AHA	200 Ah	4.0 V-2.8V	< 3CA	2000	7.3 +/-100g	362	55.5	256	210
WB-LYP260AHA	260 Ah	4.0 V-2.8V	< 3CA	2000	8.7 +/-100g	362	55.5	275	210
WB-LYP300AHA	300 Ah	4.0 V-2.8V	< 3CA	2000	9.6 +/-200g	362	55.5	306	210
WB-LYP400AHA	400 Ah	4.0 V-2.8V	< 3CA	2000	13.5 +/-200g	461	65.0	285	240
WB-LYP700AHA	700 Ah	4.0 V-2.8V	< 3CA	3000	21.0 +/-300g	627	67.0	306	*Factory
WB-LYP1000AHA	1000 Ah	4.0 V-2.8V	< 3CA	3000	33.0 +/-300g	850	71.0	375	*Factory
WB-LYP1000AHC	1000 Ah	4.0 V-2.8V	< 5CA	3000	35.0 +/-500g	560	130	356	68
WB-LYP10000AHA	10000 Ah	4.0 V-2.8V	< 1CA	3000	335 +/-3000g	687	367	756	60



# Storing Nature

**Doubling Energy Output** Balqon Energy Storage solution that incorporates a series of Lithium Iron Phosphate batteries from Winston Battery Company - can store energy up to 6 megawatt-hours of power, meaning 300 batteries with 1,000 amp hour capacity each capable of delivering roughly 1 megawatt of electricity almost instantaneously, enough power for 500 American homes for seven hours.

Balqon Energy Storage solution removes the hurdles of intermittence from broader adoption of renewable energy solutions, such as wind and solar power. With our battery backup solution a wind farm can double its output by capturing energy during hours when energy was not needed on the grid and instantaneously delivering the energy when needed.

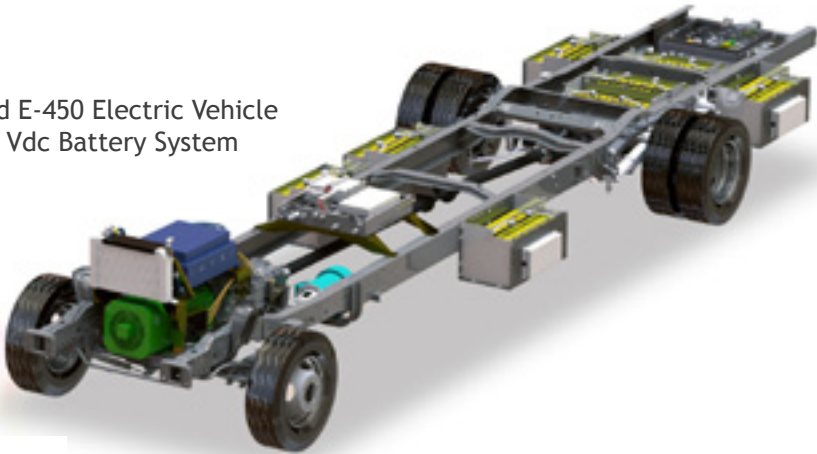


# Powering Motion

Balqon Electric trucks, tractors are powered by Winston Battery lithium batteries providing years of service in automotive application. With battery cells ranging from 40 ah capacity to 1000 ah capacity, battery banks are customized to range needs. Equipped with proprietary Balqon Battery Management System (BMS), Balqon battery banks are plug-n-play solution to our customer automotive needs. With three times the energy density of a lead acid battery and over 2000 cycle life of our batteries provides the best Return On Investment (ROI) to our customers. Our battery banks also comes with five year warranty and local dealer support to provide service and technical support to our customers.

Balqon also provides complete battery solution for industrial applications such as forklifts, rider pallet jacks and ground support equipment. Balqon large range of battery cell configurations provides customized solutions to replace lead acid battery packs, reducing maintenance time while increasing run time in industrial applications. Ability to charge batteries at over 2CA rates allows customers to use batteries for two shift operation without any need for spares or construction of battery charge rooms. Equipped with Balqon proprietary Battery Management System and power electronics, allows customers to switch to Balqon LYP Batteries without any change to the equipment, providing ultimate flexibility in operations.

Ford E-450 Electric Vehicle  
300 Vdc Battery System



RIDER PALLET JACK BATTERY  
24V, 36V long range, four  
times the life



Electric Forklift Battery 36V-48V-  
72V Zero maintenance LYP  
Battery





Energy Storage unit demonstrates 330, 1000 ah Winston batteries storing 1.1 MW of energy connected to Balqon 160 kW high frequency charger with capability to deliver 2 MW of energy daily for load sharing and peak shaving application.



#### About Balqon Corporation

Headquartered in Harbor City, California, Balqon Corporation is a leading developer of zero-emissions electric drive systems, lithium battery systems and medium to heavy-duty electric vehicles. Balqon's proprietary electric drive system encompasses complete power management, propulsion, flux vector motor controllers and energy systems. Balqon electric vehicles and drive systems are marketed globally to companies, governments and municipalities looking for viable and effective ways to reduce their vehicle maintenance and operating costs and lower carbon emissions. Balqon is recognized as a pioneer in commercial electric vehicle technology and development of energy efficient transportation solutions. For more information, please visit [www.balqon.com](http://www.balqon.com). Balqon Corporation's common stock trades on the OTC Bulletin Board under the symbol "BLQN". Follow us on Twitter @balqon or <http://twitter.com/#!/balqon> or visit our Facebook page here: <http://www.facebook.com/balqoncorporation>



Yard Tractor XRE20



Shuttle Bus EQO 14



MX-30 Electric Truck



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