DATA-SHIELD
PURE LEAD VRLA
UPS BATTERIES

HBL®

Pure Lead VRLA Batteries for UPS Application

HBL's range of "Data-Shield" high rate batteries are designed to provide the highest discharge rates for critical datacenter/UPS applications. Advances in datacenter technology, high availability of the utility grid and on site generation have all contributed to shorter UPS back-up times. The critical back up time to allow standby generators to start and synchronize is typically less than 5 minutes.

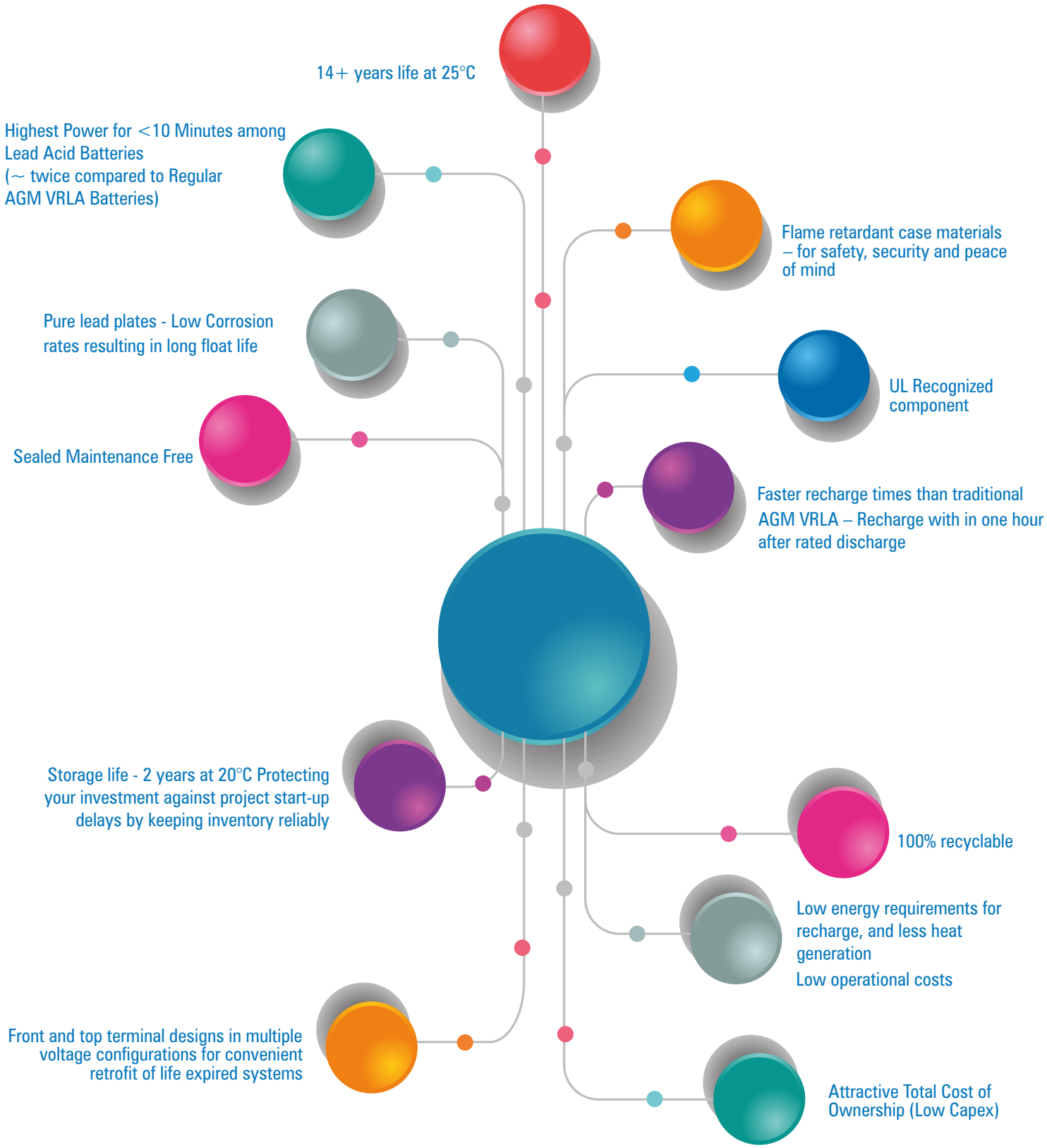
Data-shield has been designed with this in mind. The product delivers industry leading performance at back up times of 10 minutes or less. Data-shield delivers its optimal performance at these rates. The datacenter designer will reduce the battery footprint, reduce the cost and size of rectifiers, and save money by lowering energy consumption in cooling plants and recharging.

HBL's Data-Shields' electrical performance exceeds all traditional AGM VRLA products. It offers users a wide, flexible range of capacities – and the choice of top terminal and front terminal designs.

Outstanding design features ensure the total integrity and reliability of UPS installations.

WHEN YOU RELY ON YOUR UPS - RELY ON DATA-SHIELD.

Features and Benefits



Data-Shield UPS Batteries

PURE LEAD VRLA BATTERIES FOR UPS

CONSTRUCTION

Pure Lead Thin grids with customized active materials for high power discharges

Absorbent Glass Mat (AGM) Pasting Paper and Separators – with fully absorbed electrolyte.

Dilute sulphuric acid with no contaminants

Leak proof post seals with custom welded security

Flame retardant ABS / Polypropylene case materials - UL 94V0

Case-lid heat seal with high integrity bond ensuring no leaks.

High security pressure vents for operational safety

Battery posts with copper alloy inserts to carry high currents

Shock and vibration resistant designs.

Plastic Inbuilt Handles for ease of installation and Fire safety Compliance

Compliance with EN 62485-2

OPERATION

Batteries designed for easy mounting on racks (12V blocks) or in stack boxes (2V cells)

No separate battery room required

Sealed Maintenance Free battery with no water additions

Float Voltage 2.27V per cell @25°C/77°F

Special horizontal mount racks can be designed for certain batteries if required.

Wide operating temperatures -40°C to +50°C.

Storage life – up to 24 months at 20°C without freshening charge

Inter-block connectors can be supplied to specific layouts and rack configurations

STANDARDS AND QUALITY

Performance Compliance with international standard IEC 60896-21/22

Battery sizing in accordance with IEEE485

Classified as "Very Long Life" (>12 years) according to the 2015 Eurobat guide

UL recognised component

Classified as non-spillable and approved as non-hazardous cargo for ground, sea and air transportation in accordance with the requirements of IMDG (International Maritime code for Dangerous Goods) and ICAO (International Civil Aviation Organisation)

The management systems of HBL governing the manufacture of DataShield products are ISO 9001:2015, ISO 14001:2015 certified by Bureau Veritas.

Seismic Zone-V Compliant battery racks

Dimensional and Electrical Data

Model		Minimum Charging Current (Amps)	Dimensions LxWxH (mm)	Weight (Kg)	Watts/cell to 1.67VPC @25°C		
					5 min	10 min	15 min
12V Top Terminals	DS 65	2.8	175 x 85 x 130	5	106	72	55
	DS 80	3.4	181 x 76 x 168	6	129	88	67
	DS 150	6.4	164 x 143 x 200	12	242	165	125
	DS 185	8.0	249 x 97 x 201	13	303	205	157
	DS 240	10	220 x 121 x 245	17	400	265	205
	DS 325	14	335 x 171 x 203	23	530	375	275
	DS 510	22	421 x 176 x 240	36	832	575	440
	DS 825	35	440 X 174 X 262	49	1175	800	620
	DS 790	36	535 x 225 x 225	57	1285	875	680
	DS 875	40	535 x 225 x 245	62	1435	975	760
12V Front Terminals	DS 350	15	490 x 110 x 225	26	567	385	295
	DS 465	20	510 x 110 x 240	32	756	520	400
2V Top Terminals	DS 1350	60	209 x 139 x 283	18	2100	1425	1125
	DS 1800	80	209 x 190 x 265	24	2800	1900	1500
	DS 2250	100	209 x 230 x 265	30	3400	2375	1875

Certifications:

BUREAU VERITAS Certification ISO 14001 UKAS QUALITY MANAGEMENT

BUREAU VERITAS Certification ISO 9001 UKAS QUALITY MANAGEMENT

BUREAU VERITAS Certification ISO 45001 UKAS QUALITY MANAGEMENT

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