



STORAGE BATTERY SYSTEMS, INC.

LEAD CALCIUM BATTERIES FOR UPS AND SWITCHGEAR APPLICATIONS

- Data Centers
- Network Operations Centers
- Industrial Process Control Facilities
- Internet Hosting Sites
- Semiconductor Manufacturing
- Banks & Financial Markets
- Power Generations Plants
- Hospitals & Testing Laboratories



SPECIFICATIONS

Plates	SBL
Height	15.63 in (397 mm)
Width	12.64 in (321 mm)
Positive thickness	0.20 in (5.1 mm)
Negative thickness	0.12 in (3.1 mm)
Electrolyte height above plates	2.48 in (63 mm)
Sediment space	0.79 in (20 mm)
Electrolyte @ 77°F (25°C)	Sulfuric acid, 1.215 specific gravity nominal. Optional 1.250 available on request.
Float voltages	2.21-2.22 volts per cell (1.215 sp. gr.) 2.25-2.26 volts per cell (1.250 sp. gr.)
Cover	High-impact, flame retardant thermoplastic, with tongue-and-groove seal. Flammability ratings: UL 94V-0; ASTM D-635. Oxygen index > 28
Terminal	1-in square, copper-inserted posts with dual-bolt holes per unit
Inter-cell Connectors	Bolt-on connectors – 11/16 in threaded copper inserts
Container	Thermoplastic, transparent

Models	Nom. Amp-Hrs	Nom. Voltage	Dimensions Inches			Weight lbs/(Kg)		Acid per cell Lbs/(Kg)
			L	W	H	Net wet	Net dry	
SBL-11	544	8	15.08/(383)	14.17/(360)	23.75/(603)	454/(206)	344/(156)	27.5/(12.5)
SBL-13	656	8	15.08/(383)	14.17/(360)	23.75/(603)	505/(229)	399/(181)	26.5/(12.0)
SBL-15	760	8	15.08/(383)	14.17/(360)	23.75/(603)	556/(252)	454/(206)	25.4/(11.5)

DISCHARGE PERFORMANCE

1.215*	Nominal Rates to 1.75Vpc Average							Nominal rates to 1.67Vpc Average					
	Amperes							KiloWatts per cell					
	Models	1 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	8 Hr	1 Min	5 Min	10 Min	15 Min	20 Min
SBL-11	970	695	503	335	156	105	68	2.055	1.846	1.624	1.439	1.284	1.036
SBL-13	1163	834	604	400	186	126	82	2.465	2.215	1.949	1.726	1.541	1.244
SBL-15	1345	965	698	464	216	146	95	2.846	2.556	2.249	1.992	1.778	1.435

1.215 specific gravity @ 77° (25°C) (includes connector voltage drop)

