SBS

STORAGE BATTERY SYSTEMS, LLC

Battery Guide for Utilities

EquaLink

More than Just Battery Monitoring

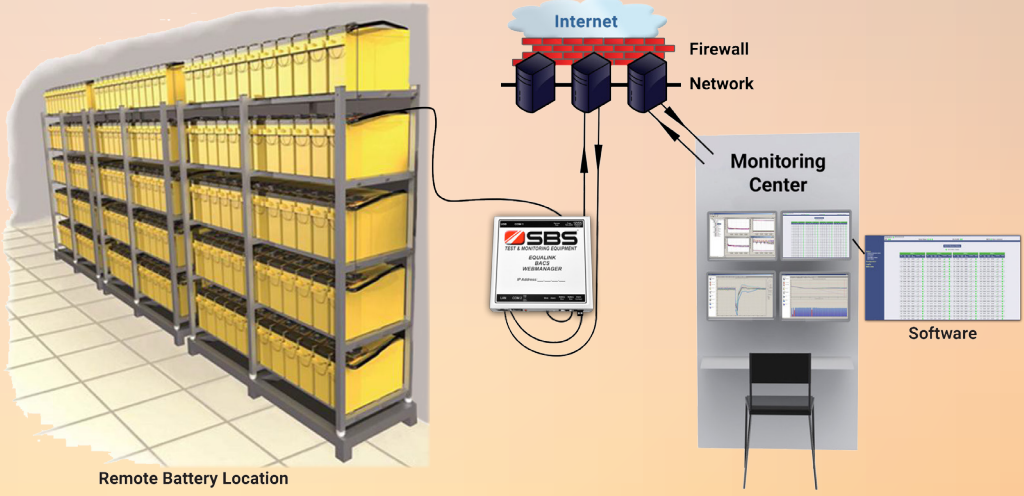
Extend the Life of your Battery System • Made in the USA

EquaLink monitors and records voltage, internal resistance and temperature. Through a patented Balancing process, EquaLink actively regulates the float charging voltage of each battery ensuring that all batteries charge at the optimal voltage.

EquaLink Battery Management System actively manages batteries to increase reliability and extend life, whereas other battery monitoring systems simply monitor batteries as they deteriorate. Ideal for monitoring substation batteries in remote locations.

SPECIAL PACKAGE: 7 YEAR WARRANTY

If you purchase a new flooded, lead acid system with EquaLink installed, receive a full 7 year warranty on all equipment

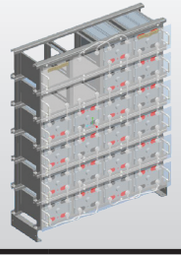


www.sbsbattery.com/equalink

Battery Series		Flooded (Vented) Lead Acid Batteries		Valve Regulated Lead Acid (VRLA) Batteries						Nickel Cadmium (NiCd) Batteries	
		MOST POPULAR						NEW			
		STT Block OPzS	STT OPzS	AGM	E-AGM	S Series	AFT	PL	UPS	KP/KB	HVL/HVM
Applications	Standby/ Switchgear	X	X	X	X	X	X	X		X	X
	UPS			X	X	X	X	X	X	X	X
	Engine Starting									X	
Specifications and Features	Capacity Range Ah @ 8 Hrs. to 1.75 Vpc @ 77˚ F	55–330	110–3585	100–400	200–3000	7.5–224	100–192	96–182	35–700 Watts@15 min	8–1680	15–1680
	Nominal Voltage	6 & 12	2	2	2	6 & 12	12	12	6 & 12	1.2, 2.4, 3.6 & 4.8	1.2
	Plate Technology	Tubular	Tubular	Flat	Flat	Flat	Flat	Pure Lead	Flat	Pocket	Pocket
	Plate Material	Lead Selenium (low antimony)	Lead Selenium (low antimony)	Lead Calcium	Lead Calcium	Lead Calcium	Lead Calcium	Lead Calcium	Lead Calcium	Nickel	Nickel
	Intercells Included	X	X	With Rack Purchase	With Rack Purchase	Upon Request	Upon Request	Upon Request	Upon Request	X	X
	Design Life at 77˚ F (Years)	20	20	15	15	5–10	5–10	10–15	5	20	20
Mount	Vertical	X	X	X		X	X	X	X	X	X
	Horizontal			X	X				X		

Flooded Lead Acid Advantages

- Long float life
- Easy visual inspection
- Separation between cells helps with heat dissipation
- Usually have larger Ah than VRLA
- Less power consumption than VRLA and lead calcium



VRLA Advantages

- Superior high rate power density
- Exceptional cycle life
- Extended float life
- High stable voltage delivery
- Widest operating temperature
- Long shelf life

NiCd Advantages

- Withstand extreme environments
- Good high power rating
- Smaller profile
- Low internal resistance
- Long shelf life

Charger Series		Battery Chargers			
		MOST POPULAR		NEW	NEW
		AT10	AT30	EVO	EC
Specifications and Features	Single Phase	X		X	X
	Three Phase		X		
	Voltage (DC)	12/24/48/130		24/48/130/260	12/24/48/130
	Size (Amps)	6–100	25–1000	6–25	6–50
	External Temp. Comp.	Optional		Optional	Optional
	Internal Temp. Comp.	N/A		N/A	Standard
Filtering	Unfiltered	Standard		N/A	N/A
	Filtered	Optional		Standard	N/A
	Filtered Eliminator	Optional		Optional	Standard
Communications	Summary Alarm Contact	Standard		Standard	Standard
	RS232/485 or DNP3	Optional		Optional	N/A
	Ethernet	Optional		Optional	N/A
	AUX Alarms (Individual Form C Contacts)	Optional		Optional	Optional
	Warranty	5 years		5 years	5 years

AT Advantages

- Proven design
- 5 year warranty
- Most common charger used today

EVO Advantages

- Designed for applications requiring RS232/485 or DNP3 or Ethernet connection

EC Advantages

- Eliminator standard
- Solid design at competitive price

STORAGE BATTERY SYSTEMS, LLC

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Power Solutions™ Since 1915

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