JuiceBox

JUICEBOX ENERGY 8.6 KWH

Energy Storage System Specifications

PHYSICAL	Dimensions	43″x22″x17″
	Module weight (qty 4)	47 lbs
	Enclosure weight	87 lbs
	Total installed weight	275 lbs
	Color	White or Black
	Enclosure material	Aluminum
	Enclosure rating	NEMA 3R
	Maintenance	None
	Operating temperature	-10°C to 50°C
	Installation	Wall-mounted
	Modular assembly - no special equipment	
	LED State of Charge gauge	
	LCD for battery and system metrics	
ELECTRICAL	Nominal voltage	50V
	Capacity	172Ah
	Rated energy	8.6kWh
	Rated power	4.3kW
	Battery life	10 years minimum
	Max discharge rate	140A
	Max charge rate	80A
	Round trip efficiency battery charge/discharge cycle	98%
CONNECTIVITY	Web-enabled customer interface via cellular modem	
	Remote firmware updates	
	Cloud-based monitor and control	
	Designed to support smart grid and home energy management systems	
CERTIFICATIONS	Cell safety	UL1642
	Main contactor	UL508
	Automotive grade current sensor	IEC60068
	Stainless steel 3/8″ main terminals	UL1059
	Battery module transportation certified	UN38.3
SAFETY PROTECTIONS	Over voltage shutdown	
	Over temperature shutdown	
	Under voltage shutdown	
	8 independent temperature measurements	
	Reverse polarity protection	
	3-level redundancy on over voltage control	
	Autonomous operation with no gap in safety coverage if connectivity is lost	
	On board diagnostics	

OPERATING MODES

PEAK SHIFT

Battery discharge based on drop of PV output or user programmable schedule

LOAD SHAVE

Monitors AC current and uses battery to limit peak current draw

BACK-UP

Automatic transfer to grid-isolation to power critical loads when grid fails

ORIGIN

- ✓ Designed and Built in USA
- ✓ Enclosure Made in USA
- ✓ Highest quality Korean Lithium Ion NMC cells

APPLICATIONS

- ▸ Residential & light commercial grid tied energy storage
- ▸ New & existing renewable energy installations (AC or DC coupled)

Compatible inverters :
SCHNEIDER CONEXT XW+ 5548 NA

ABOUT JUICEBOX ENERGY, INC.

JuiceBox Energy is a Silicon Valley based company that develops advanced energy storage and management systems to meet the growing demand for renewable energy storage. The company delivers innovative clean technologies to its customers in order to reduce both energy costs and C02 emissions and accelerates the transition to a resilient grid.

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