



ENVOY

Medium Voltage Series

OPTIMIZED SUPERCAPACITOR ENERGY STORAGE

- Ultra long cycle and operational life (45 years design life)
- Fast charge and discharge
- Temperature stability - no thermal runaway
- Wider operating temperature range compared to other storage technologies
- 99.1% capacitor RTE, >97% module RTE
- Safe energy storage

COMPLETE SYSTEM MONITORING

- Complete system monitoring with WEST's user friendly apps
- Easy setup using WEST configuration tools

20 YEAR WARRANTY¹

The WEST Envoy Series utilizes our advanced Optimized Supercapacitor storage technology. Benefits include negligible degradation over lifetime, ultra fast charge and discharge, no thermal runaway hazard, simple operation, practically unlimited cycles, -40°C to 65°C operating temperature and 97% round trip efficiency.

The Envoy Series is specifically designed to be used in a wide range of applications, including solar, backup, grid-storage and much more.

West Envoy Series is the ultimate choice in contemporary storage technologies.

(1) Please refer to the Warranty Document for applicable conditions.
For more information, please contact us at info@wright.energy



GENERAL

Module (kWh/V)	3.3 kWh, 53.6 V
Number of modules	16
Cell technology	Optimized Supercapacitor
Rack usable energy	52.8 kWh
Nominal voltage	800 V
Operating voltage	736 V - 857.6 V
Maximum continuous current	100 A

COMMUNICATION

Inverter interface	RS485 / CAN
Display	HV / Charge / Contactor / Alarm state LED Indicators
External Communication	Ethernet / Wi-Fi / Bluetooth-LE
User interface	WEST BMS App for iOS and Android

SPECIFICATIONS

Dimensions (mm) WxDxH	1620 x 760 x 2060
Dimensions (In) WxDxH	63.78 x 29.92 x 81.1
Total Weight	1515 kg (3340 lbs)
Rack Weight	355 kg (782.64 lbs)
Module Weight (Individual)	72.5 kg (159.84 lbs)
Operating temperature	-40 to 65°C (-40 to 149°F)
Environmental humidity	Non-condensing
Protection rating	IP20
Cycle life / Warranty	5x Lithium / 20 Year Warranty ¹
Scalability	Yes
Application	ON Grid / ON Grid + Backup / OFF grid
Compatible PCS	Atess PCS Range
	- PCS 500
	- PCS 630

SAFETY

Cell Compliance	IEC 62619, UL 810A
Module Compliance	IEC 62619

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