



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

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|------------------------|--|
| 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

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|----------------------------|--|
| 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 |

SAFETY

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

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