



TERRION
ENERGY SOLUTIONS



WRIGHT ENERGY STORAGE TECHNOLOGIES



DOUBLE
3THREE

TRIPLE
5ZERO

QUAD
6FIVE

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

COMPLETE SYSTEM MONITORING

Dual current management for added safety

Patented CLC for controlled power release and safety checks

20 YEAR WARRANTY¹

The WEST Alpine 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 Alpine Series is specifically designed to be used in a wide range of inverter or DC-based applications, including solar, backup, mobility, grid-storage, recreational and much more. Energy can be safely used with our EZ-Power™ technology. The EZ-Power™ features include short circuit detection, multiple unit imbalance control and controlled load charge-up.

Utilize our remote monitoring for Android and IOS through Wi-Fi and setup with our user friendly App for mobile devices. Units are completely modular with unlimited parallel compatibility. Designed for extremely long life (up to 45 years).

West Alpine 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@terrion.com.au



GENERAL

Storage Type	Optimized Supercapacitor
Monitoring	Wi-Fi, Android, IOS
Communication	Wi-Fi, LED Status
Operating Temperature	-40°C to 65°C
Cycle Life /Warranty	5x Lithium / 20 Year Warranty ¹
Design Life	45 Years
Terminal Connections	M8
Round Trip Efficiency	>97%
IP Rating	IP30

SPECIFICATIONS

	DOUBLE _{3THREE}	TRIPLE _{5ZERO}	QUAD _{6FIVE}
Capacity (kWh / Ah)	3.3 / 67	4.95 / 100	6.6 / 134
Module Weight (kg)	71.6 kg	102.4 kg	135.8 kg
Crate Weight (kg)	9.6 kg	11 kg	13.6 kg
Dimensions (mm) LxWxH	349.5 x 586 x 320	349.5 x 586 x 470	349.5 x 586 x 621
Dimensions (In) LxWxH	13.76 x 23.07 x 12.6	13.76 x 23.07 x 18.5	13.76 x 23.07 x 24.45
Stackable (units)	6 Units	5 Units	3 Units

CHARGE / DISCHARGE

Rated Charge Voltage (V)	53.6 V	53.6 V	53.6 V
Maximum Continuous Charge Voltage (V)	53.6 V	53.6 V	53.6 V
Maximum Surge Voltage (V)	54.0 V	54.0 V	54.0 V
Recommended Discharge Voltage (V)	46.0 V	46.0 V	46.0 V
Rated Discharge Voltage (V)	45.5 V	45.5 V	45.5 V
Maximum Continuous Current (A)	100 A	200 A	250 A
Maximum Peak Current (A)	125 A	250 A	250 A
Maximum Charge/Discharge Rate (C)	1.5 C	2 C	1.5 C

SAFETY

Current Safety	Electronic SSR and Thermal DC Breaker (Dual Protection)
Maximum Capacitor Voltage	Electronic
Loose Connection Monitoring	Electronic
Temperature Monitoring	Electronic
Cell Temperature Monitoring	Electronic
Safe Activation Parameters	WEST EZ-Power™ limited energy release

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