Western Systems
Innovative Transportation Solutions

ZX GRAPHENE SUPER CAPACITOR POWER MODULE. ZX2000-48

- Zero Environmental Impact.
- Zero Maintenance.
- Long Shelf Life.
- High Power Density in hot and cold environments.
- Up to 200,000 Charge and Discharges.
- 30 years of Service Life.
- 4 Button LCD Control Panel and LED Indicators.
- State Of Charge and AH Remaining.
- Capacitor Cell Data.
- VDC.
- Cycles Of Operation.
- Charge and Discharge Current.
- -40C to +60C Operating Temp Range.
- Optional SNMP Ethernet.
- Zero Clearance installation.
- No Cooling or Heating Required
- Modular Design for Capacity or Redundancy using 20 identical modules.
- Aluminum Construction.
- Rated in Watts Per Hour.
- UPS, BBS, Inverter, rectifier and Solar applications.
- Shelf, Rack or Vertical Installation.
- Up to 200 Amps of charger current per module.
- 10 Year Warranty.
- Designed and manufactured in Canada and assembled in the USA.

425.438.1133 | Info@WesternSystems-Inc.com | www.westernsystems-inc.com

LEARN MORE

Western Systems
Innovative Transportation Solutions

ZX GRAPHENE SUPER CAPACITOR POWER MODULE. ZX2000-48

Technical Specifications

Category	Specification
Model	ZX2000-48
Energy Rating	2000 Wh
Nominal Voltage (VDC)	48 V
Amp Hours (Ah)	42 Ah
Maximum Voltage	50 V
Minimum Voltage	42 V
Maximum Discharge Current	Circuit breaker limited — 63 A
Maximum Charge Current	200 A per module
Operating Temperature Range	-40°C to +60°C
Service Life	Up to 30 years
Charge / Discharge Cycles	Up to 200,000 cycles
Cooling Requirements	None required
Installation Clearance	Zero clearance
Construction	Aluminum enclosure
Form Factor	Shelf, rack, or vertical mounting
Design	Modular (capacity or redundancy using identical modules)
LCD Control Panel	SOC, VDC, AH, charge/discharge current, cell voltage, alarms
LED Indicators	SOC 25%, 50%, 75%, 100%, RUN, ALARM
Communications	Optional SNMP Ethernet
DC Connections	Anderson 2 × SB50 series (Red)
Dimensions (H × W × D)	5.5 × 17 × 14.2 in
Weight	48 lbs / 21.8 kg
Warranty	10 years
Manufacturing	Designed & manufactured in Canada, assembled in the USA

Backup Runtime — Fully Charged (ZX2000-48)

Load	Runtime
250 W	8.0 hrs
500 W	4.0 hrs
1000 W	2.0 hrs
1500 W	1.5 hrs
2000 W	1.0 hr