



Green Energy

XZ Graphene Super Capacitor Modules

Features

Zero Environmental Impact.

Zero Maintenance.

1,000,000 Discharges & Recharges.

30+ years of Service Life.

Long Shelf Life without cell damage.

Operating Range of -40c to +75c without de-rating or energy loss.

Zero Clearance installation.

Rated in Watts Per Hour.

No cooling or heating pads are needed.

Modular Design using PP65 Anderson Power connection.

100% Efficiency.

Active internal balancing and monitoring.

LCD Display.

Assembled In Canada.

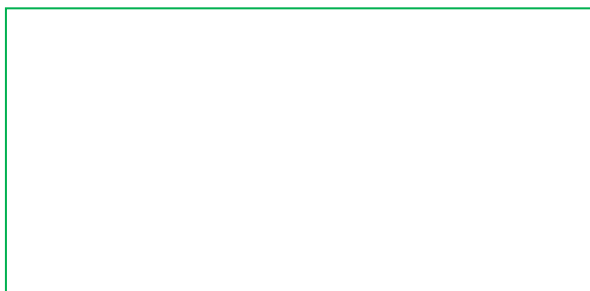
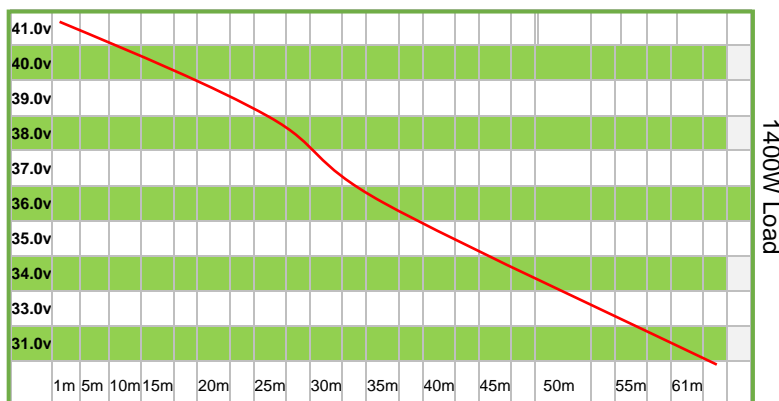
Accepts 50A to 200A per module of recharge current.

10 Year Replacement Warranty

TechPower Developments Inc
Powered By Design

TECHNICAL DATA SHEET ZX GRAPHENE ENERGY STORAGE MODULES

PERFORMANCE	Total Maximum Energy	>1400Wh	2100Wh	
	Voltage (Nominal)	36 VDC	48 VDC	
	Discharge Cut-Off Voltage	29.8 VDC	40 VDC	
	Maximum Charge Voltage	42.6VDC	56 VDC	
	Maximum Charge Current	50 A (Circuit Breaker limited)	200 A	
	Maximum Discharge Current	50 A (Circuit Breaker limited)	200 A	
PHYSICAL SPECS	Dimensions (W x D x H)	14.17 x 11.8 x 6.89 359 x 300 x175	18.5 x21.5 x8.8	
	Weight	19Kg/41.8lbs	68 Kg/149lbs	
	Module Casing Material	Aluminium		
	Terminal Type	Dual Anderson PP75	PP125 or F12	
ADDITIONAL FEATURES	Monitoring Data	Total Cell Voltage, Current, Temperatures, Energy		
	Communication and Connectivity	RS232/RS485/SNMP***		
	Alarms/Audible	Sounds Alarm for under/over Voltage, Over Current, Out of Range Temperature		
INTERNAL SOFTWARE	Module Monitoring	Current, Voltage, Temperatures, Percentage Of Energy Available (SOC)		
	System Monitoring***	Modules Monitoring (connected in parallel)		
SERVICE LIFE	Projected Cycle Life	Up to1 million cycles		
	Projected Operational Life	30+ years		
SAFETY	Over/Under Voltage/Over Current	Unit shut down		
	Over Current/Over Temp	Unit shut down		
	Additional Safety	SSR protection + DC circuit breaker		
BACKUP TIME	Backup Time/Load 1000/500/250w	1.4Hr/2.8Hrs/5.6Hrs	2.1Hrs/4.2Hrs/8.4Hrs	3.3Hrs/6.6Hrs/13.2Hrs
ENVIRONMENT	Cell Operating Temperature	-40°C to 75°C without derating output		
	Operating Humidity	5% to 95% Non-Condensing		
WARRANTY	10 Years	87,600 Hrs		



www.techpowerdevelopmentsinc.com

Tel: 289-337 2236/416-605 8925

Available only through selected distributors in the USA and Canada*