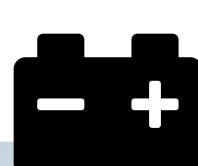


FAIL-SAFE ENERGY SECURITY

Solutions for **UNPRECEDENTED** Sustainable Energy, Resilience and Revenue Generation.

LEAD-ACID

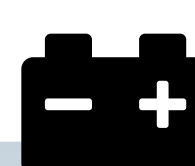


Low energy density means that large, heavy arrays offer only brief bursts of resiliency.



LITHIUM-ION

(NO THERMAL MANAGEMENT)



Improved energy density expands usability, but critical safety concerns demand purpose-built sites with effective alarming systems.



**FAIL-SAFE DESIGN
ALLOWS FOR
DEPLOYMENT IN
AND AROUND
OCCUPIED SPACES**

Small, Maneuverable,
Easy to Deploy

1 High power (w/kg) and energy (wh/kg) densities allow for any BTM application

2 IMPRESSIVE LIFESPAN
3,500 cycles at 90% depth of discharge equals 15 years without cell replacement

3 Fail-Safe design prevents thermal runaway at the cell level—no need for fire suppression equipment



✓ Resiliency
▲ Peak Shaving
💰 Rate Arbitrage
programmable through Viridi IoT

GENERATE REVENUES

LEVERAGE INTERMITTENT RENEWABLES

LOWER CARBON EMISSIONS

IMPROVE RESILIENCE

COMPARE

	Viridi Fail-Safe Lithium-Ion	Lithium-Ion w/o Thermal Management (w/Fire Suppression Installed)	Lead-Acid
Cell Lifespan¹	✓ 3500 Cycles @90% DoD (15-20+ yrs)	3000 Cycles @80% DoD (10-15+ yrs)	200-300 Cycles @50% DoD (3-5 yrs)
Safety Risk	✓ Building-Safe & Tested	Building Safety Requires Fire Detection, Suppression & Insurance	Building-Safe & Tested
External Safety Equip Required	✓ No	Yes	No
Insurance Needed	✓ No	Yes	No
Underlying Raw Materials	✓ Non-hazardous, 95% of metals recovered through Li-Cycle recycling contract	Recyclable	Recyclable, but may require Haz-Mat reporting through Toxics Release Inventory (EPA)

1) Using recommended depth of discharge (DoD) for BTM BESS application – Lead Acid installations that last 15-20 yrs require cell replacements every 2-3 yrs

IF YOU WANT TO PUT BATTERY STORAGE IN OR AROUND OCCUPIED SPACES OR CRITICAL EQUIPMENT, THERE'S ONLY ONE SOLUTION—VIRIDI

OUR TOTAL FAIL-SAFE SOLUTION

- SILENT
- ZERO EMISSIONS
- NO MAINTENANCE
- CAPTURE RENEWABLES
- OPTIMIZE ELECTRIC BILL



VCom

Premium Edge Computing Platform

faveo

Intelligent Traffic Cabinet

RPS50

Energy Storage System (50kWh)

RPS150

Mobile Energy Storage System (150kWh)

RPS1200

Container-Based Storage System (1.2 MWh)



PIONEERING FAIL-SAFE DISTRIBUTED ENERGY STORAGE TECHNOLOGY

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