POWER STORAGE FOR THE POWER ECONOMY

FCL

2018

This information was last revised March 2018

POWER STORAGE FOR THE POWER ECONOMY

ADVANTAGES

100% Fire and Heat Safety
Highest Energy Yield per Volume
Operates at Higher Temperature
No Energy Degradation
No Active Power Shutoff
No 100% DOD Effect
No Toxic Materials
100% Recyclable

Cutting Cost

Use Solar Energy whenever you feel like, night or day

Charge when utility rate are low, use that energy when they are high

Use battery power to eliminate demand charges

Energy Independence

Free yourself from the power company supply chain

Don't worry about ever increasing power prices

Have a trusty backup to the grid, just in case

Be Clean, Absolutely Safe and Eco-friendly

Cut back on fossil fuel-base electricity

It works even under extreme weather conditions

Gain electrical independence and Eco-friendly forever

THE NEW DISTRIBUTED VIRTUAL POWER PLANT

Fast Absorption and Fast Injection systems and controls combined with low entry costs for energy storage using lithium ion batteries provide the ability to leverage distributed virtual power plants for:

① demand power mitigation

② renewable energy time shifting and grid stability management

③ frequency regulation

④ emergency reserve functionality and provides organizations . . .

"Power at their Fingertips"

Consumption Load Shifting

Deliver Power to consumers or to maximize Revenue

Maintain Power to critical consumers on blackouts and brown outs.

Add power to consumers loads when they exceed energy availability

Renewables and Grid Management

Stabilize frequency and intermittency of renewable power sources

Renewables Firming of power supplied

Use Stored Power to reduce Demand Power charges

Cost Benefits of Virtual Power Plants

Replace Non-Eco-Friendly & Polluting Conventional Power

Use over supply generation to take revenue advantage of Government Incentives

Add Battery based Virtual Power Plants to Eliminate New Power Plants