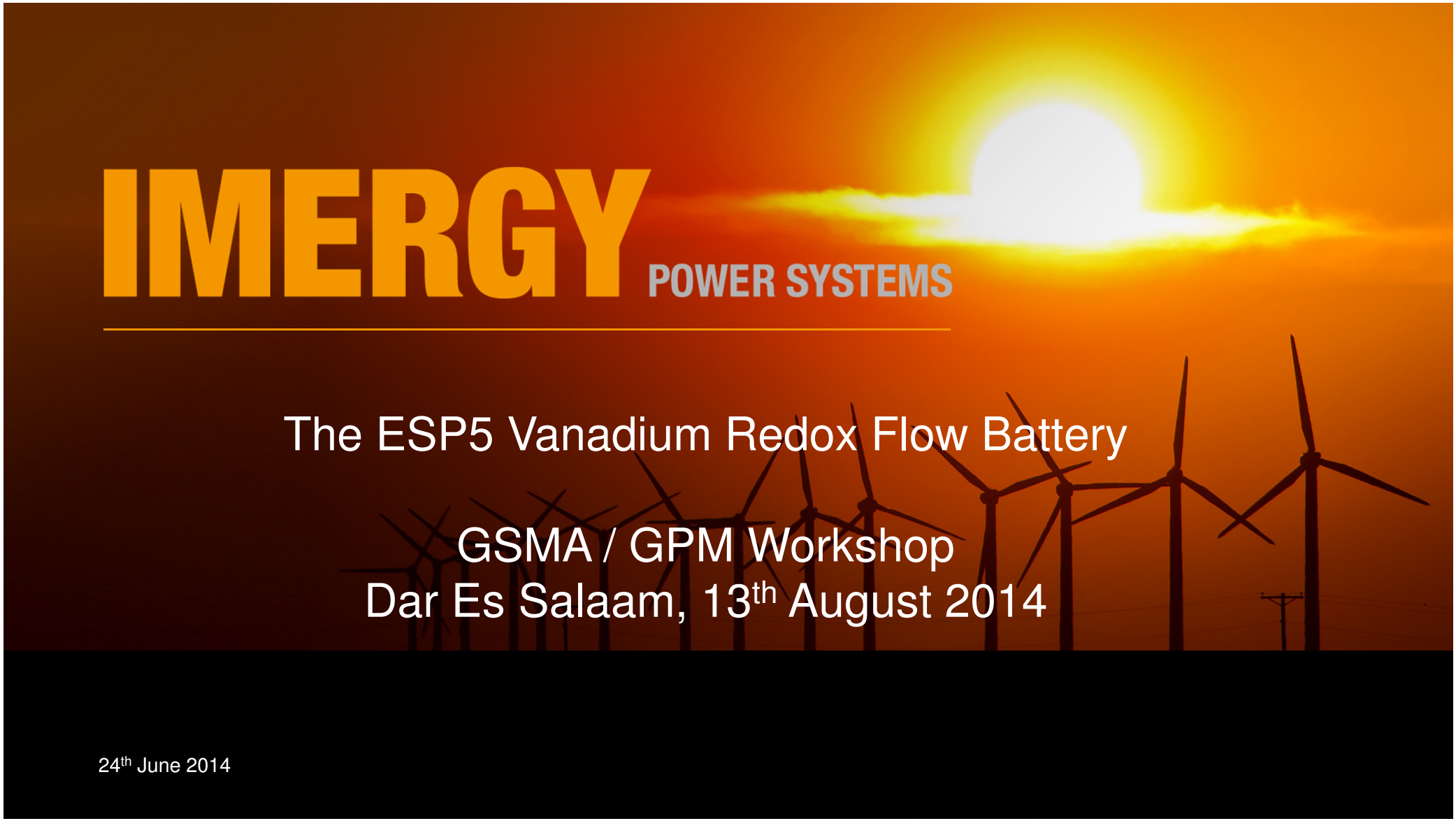


The ESP5 Vanadium Redox Flow Battery

GSMA / GPM Workshop
Dar Es Salaam, 13th August 2014

24th June 2014

What can Vanadium Redox offer the Telecoms market?

IMERGY POWER SYSTEMS

Vanadium Redox Energy Storage Systems offer hybrid power and CDC solutions for installations where grid power is either unreliable or not available.

It is a compelling alternative to either lead acid or Li-ion battery technologies to optimise OPEX and TCO savings

Imergy Company Overview

IMERGY POWER SYSTEMS

- Privately held developer of Redox Flow Batteries and Energy Storage solutions
  - Based in Silicon Valley, Founded in 2006
  - 89 staff in USA and India
- World class, proven, executive leadership team with global experience at Fortune 500 companies
- Storage systems from 2.5kW to 10MW
- General deployment to support 2-10 hours of full load
- Commercial kW class product sales in India and Africa with over 100 years field operating experience
- Cost-down and go-to-market strategy, leveraging the partnership approach. Product quality and cost focus
- Extensive IP portfolio and know-how with 20 patents

Offices

Fremont, California

Gurgaon, India

Customers

MW Class: Large Global Data Management Company

Telecom Systems Operators:

airtel, Idea, ASCEND, vodafone, MTN, AMERICAN TOWER, viom NETWORKS

Investors

BlueRun ventures, NEA, TECHNOLOGY PARTNERS

IMERGY POWER SYSTEMS

1. Telecoms Power

Telecom Applications

There are two distinct opportunities where IMERGY's Energy Storage Platform reinforces an OPEX reduction strategy by maximising fuel reduction and optimising energy efficient systems:

- Off Grid Sites, firming power from DG, Solar and Wind Power Sources
- Weak Grid Sites, as the primary back-up power solution

OPEX Increasing

IMERGY POWER SYSTEMS

Many new base stations, particularly in developing nations, are not be able to connect to a reliable electricity grid and rely on generator and solar power

Costs of extending the grid to power off-grid base stations can be enormous, the operator must usually pay for the grid extension

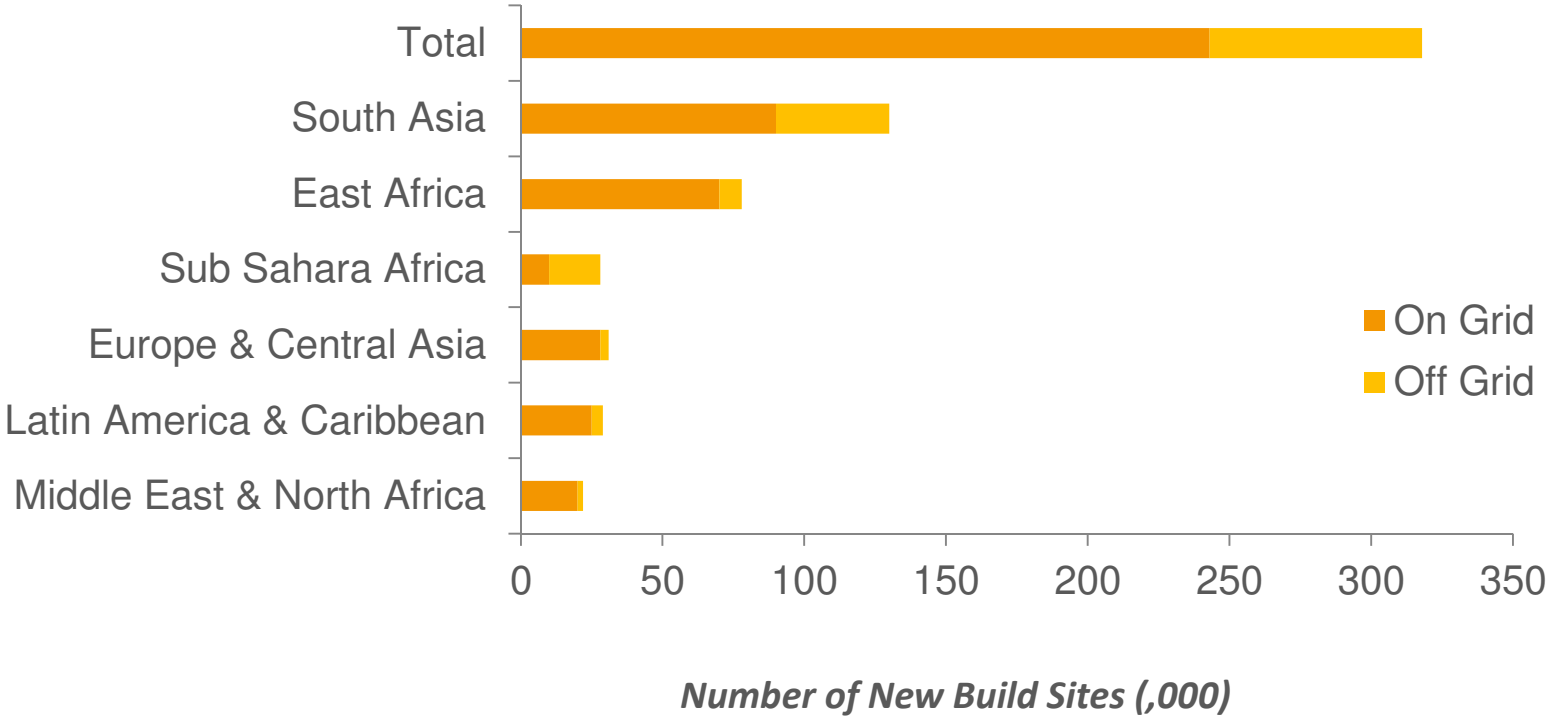
Diesel generators are the preferred off-grid power source, however…

- Costly to run, ~ $45k per year O&M for a 5kW site
- Remote maintenance is difficult and expensive
- USD diesel prices are escalating with respect to local currency
- Political uncertainty destabilising oil prices
- Many legacy off grid sites now have ROI over 10 years
- Small number of off grid sites accounts for large proportion of OPEX

Solutions for Operators with "Off Grid" Sites

IMERGY POWER SYSTEMS

An estimated 75,000 new off-grid sites out of a total of 300,000 sites, will be built <u>each year</u> in developing countries from 2013 (GSMA)



Countries with "Weak Grids"

IMERGY POWER SYSTEMS

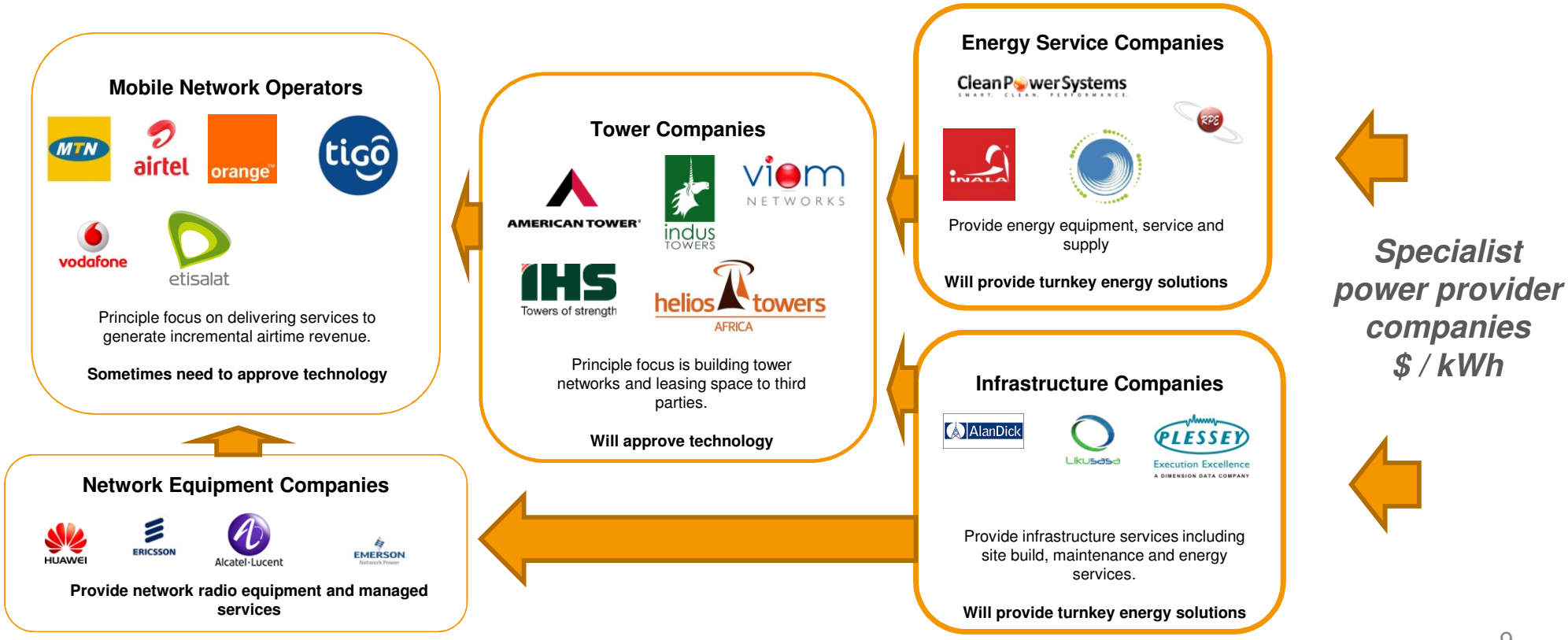
Economy	Number of electrical outages in a typical month	Duration of a typical electrical outage (hours)	Average Outage per Day (hours)	Percent of firms owning or sharing a generator	Proportion of electricity from a generator (%)
Iraq (2011)	41	41.9	18.6	80.9	41.2
Congo, Rep. (2009)	21.5	29.6	14.2	89.6	48.1
Central African Republic (2011)	29	7.2	6.8	86.1	13.4
Guinea (2006)	31.5	6.3	6.5	59.9	35.4
Nigeria (2007)	25.2	7.8	6.4	85.6	52.1
Chad (2009)	19.6	7.5	4.8	75.5	52
Congo, Dem. Rep. (2010)	20	6.7	4.4	41.6	9.4
Gambia, The (2006)	21	6.1	4.2	63.9	20.7
Afghanistan (2008)	15	8.4	4.1	71.1	50.5
Albania (2007)	33.9	3.6	4.0	81	21.5
Sierra Leone (2009)	13.7	8.8	4.0	69.7	25.5
Uganda (2006)	10.7	9.7	3.4	28.9	8.9
Burundi (2006)	10.7	9.1	3.2	41.9	10.7
Kosovo (2009)	39.1	2	2.6	88.7	15
Senegal (2007)	11.5	6.1	2.3	55.4	13.5
Pakistan (2007)	31.7	2.1	2.2	20.1	6
Bangladesh (2013)	64.5	0.9	2.2	62.9	14.2

Use energy storage technology as the primary back-up for power outages rather than diesel generators

African Telecoms Power Infrastructure

IMERGY POWER SYSTEMS

In developing market, telecoms operators are outsourcing passive network infrastructure build and management to Tower Companies, who in turn outsource power provision to specialist companies.

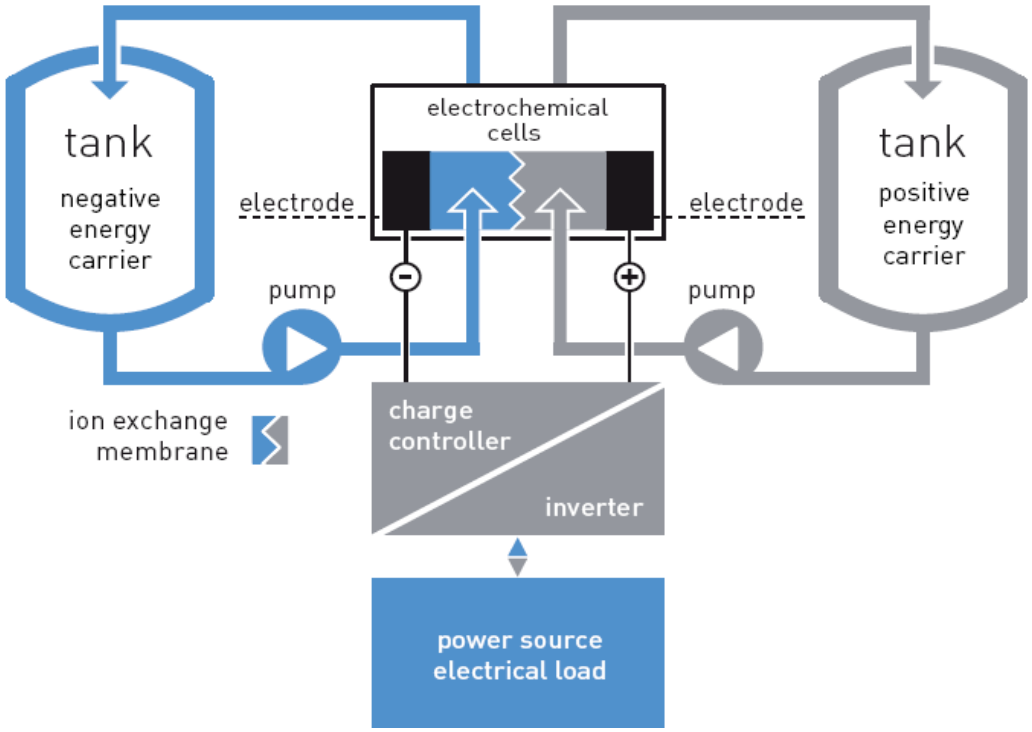


IMERGY POWER SYSTEMS

2. Flow Battery Storage Technology

Flow Battery Energy Storage Technology

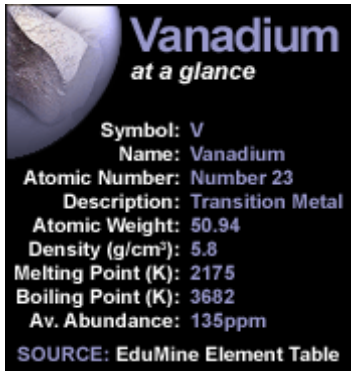
IMERGY POWER SYSTEMS



- A Flow Battery is an energy storage device where power and energy are independent
- Power is derived from “Electrochemical Cells” or “Cell Stacks”
- Electrolyte held in separate tanks stores the Energy
- Pumps circulate electrolyte through the Cell Stacks which converts electrochemical energy into electricity. And vice versa.
- Control system manage the electrolyte circulation
- Flow battery technologies are mainly distinguished by electrolyte composition
  - Vanadium Redox
  - Fe – Cr
  - Zn - Br

Why Vanadium? The "Miracle Metal"…

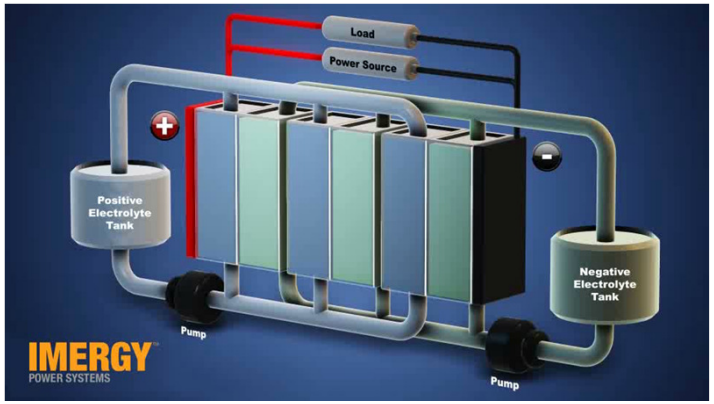
IMERGY POWER SYSTEMS

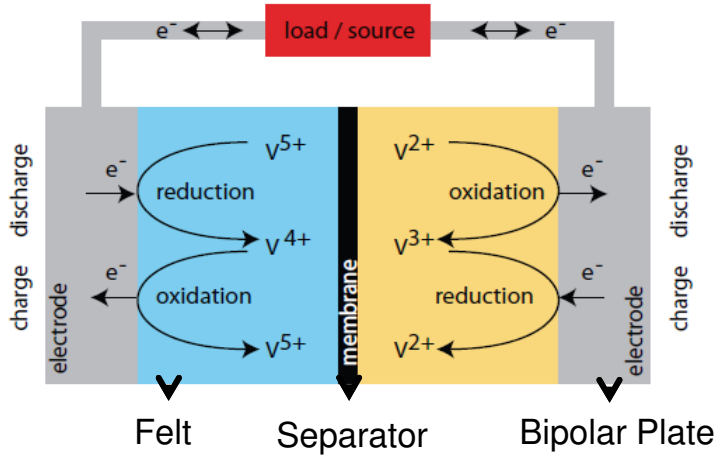


- Used primarily for steel hardening
- Widely available in large quantities.
- Mined naturally as an ore. Also recovered from steelmaking slag, and coal or oil combustion exhaust ash.
- Vanadium based electrolyte
  - Does not burn, operates cold and is a **non-poisonous** fluid per UN regulations. No permitting issues.
  - Completely reusable
  - Low incremental cost for additional hours of storage
- Comes in four charge states: V^{+2}, V^{+3}, V^{+4}, V^{+5}. No cross contamination for flow batteries
- **Using <u>only</u> Vanadium in the electrolyte has competitive advantages in terms of operating cost, system life, maintenance, and safety.**

Vanadium Redox Energy Storage Technology

IMERGY POWER SYSTEMS





- Robust
  - Unlimited cycles: at any state of charge
  - Long system life: 10+ years
  - Operates up to 50 ℃
- Scalable
  - Power & Energy decoupled
  - From minutes to 10+ hours storage
- Lowest levelised cost of energy storage
  - Electrolyte lasts over 25 years
  - Vanadium extracted from mining waste product, slag
  - Imergy ESP uses separator, not an expensive membrane
  - <$500/kWh system cost achievable within 3 years
- Integrated
  - Self contained power electronics, remote monitoring control and energy management system
- Strong IP
  - 20 issued and allowed patents

New kW Class ESP5 Product with Flextronics

IMERGY POWER SYSTEMS

IMERGY ESP-SERIES SYSTEM SPECIFICATIONS

Output Power	5 kW (option 2.5kW) (peak 7kW)
Energy Capacity	10/15/20/25/30 kWh
Cycle Life	Unlimited or 10 + years
Discharge : Charge Ratio	Up to 1 : 1
Ambient Temperature Range	-5°C to +50°C
Charge Voltage Range	54.5 VDC ±1.5 VDC
Output Voltage Range	49.5 VDC ±1.5 VDC
Duty Cycle	Continuous
DC Efficiency	75% (RTE)
Monitoring	Integrated Comm System (ICS), SMS, GPRS, USB, Optional MODBUS over TCP/IP
Maintenance	Preemptive via ICS – one site visit/year

Physical Dimensions	
Footprint	2.7 m2
Dimensions (W x D x H)	2.20 x 1.22 x 2.15 m
Shipping Weight	770 kg
Total System Weight	1800-3000 kg
Certification	IP55

5 Year Warranty, 10 Year Extended Warranty available

Vanadium Redox USP 1 : Unlimited Cycle Life

IMERGY POWER SYSTEMS

USP

- There is no impact on performance due to the number of cycles
- Life expectancy is 10+ years
- You can use the full capacity (100% DoD) with no impact on performance
- Partially charge or discharge the battery to any state of charge with no impact on performance
- There is very low maintenance

Benefit

- You do not have to replace the battery every 2 years – unlimited cycles
- You do not have to oversize the battery capacity – use 100% of its capacity
- You do not have to charge to 100% capacity after each cycle – fast charge ideal for weak grid
- Maintenance costs are very low

Vanadium Redox USP 2 : Charging and Discharging

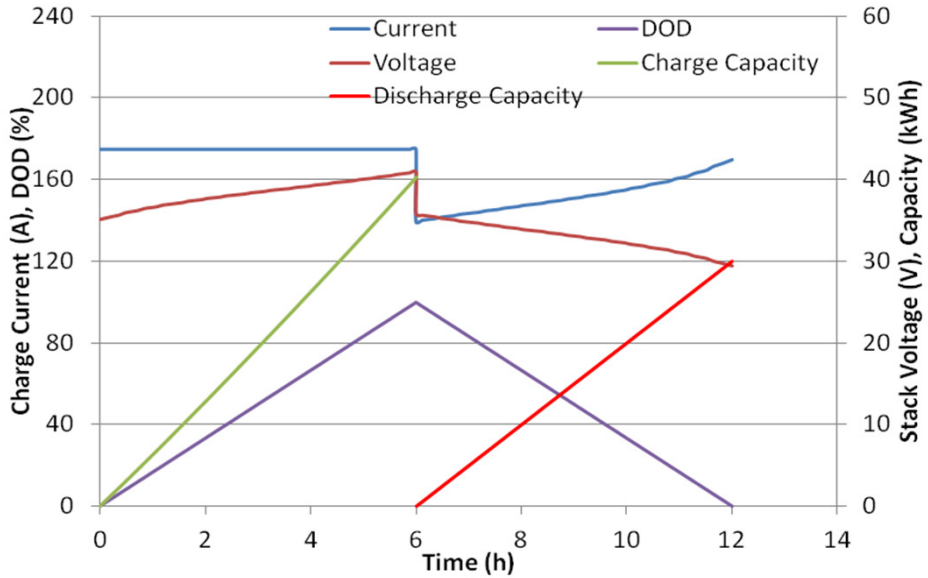
IMERGY POWER SYSTEMS

USP

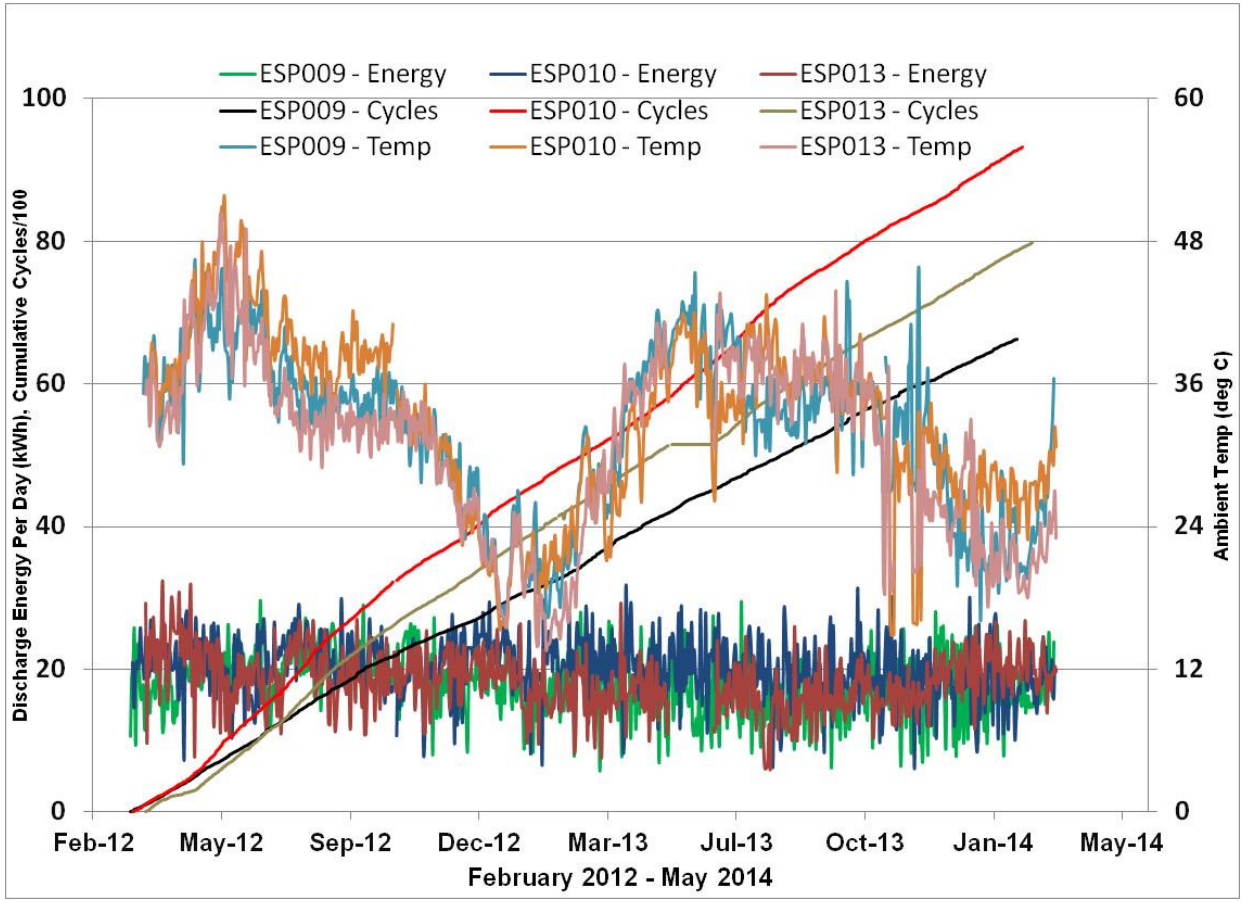
- The ESP has a straight line charge profile – no long “float” charge time
- Power and energy independent and scalable
- Operating temperature up to of 50 degrees
- Large overload capacity on both charge and discharge

Benefit

- The fast charge profile means less generator run time
- You size the ESP to capture as much spare generator power as possible
- You can increase power and capacity as the load profile increases
- No need to cool the ESP, no parasitic power loss



Imergy ESP: Temperature vs. Performance / Feb 2012 – May 2014



- Daily data for 2 years operation
- Over 7,000 cycles in each ESP
- Stable output (Discharge Energy per Day)
- High temperature tolerance (2 summers outdoors in Northern India)

Vanadium Redox USP 3 : Packaged Solution

IMERGY POWER SYSTEMS

USP

- The ESP is a fully packaged solution
- It has its own built in generator controller based on capacity (flexible setting)
- It has a built in RMS package that can either be used independently or integrated to third party RMS
- It comes with a standard warranty of 5 years, which can be extended to 10 years

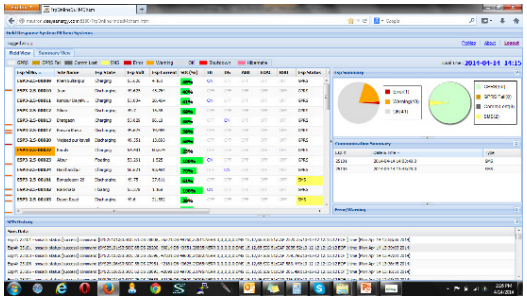
Benefit

- No additional racks, connector or cables required
- No need for an additional hybrid battery controller – lowers equipment cost.
- Dual mode – CDC + UPS
- No need for independent battery RMS – lowers equipment cost
- No hidden cost. Known price for 5 or 10 years
- ROI under 2 years, OPEX saving and TCO is significantly better than lead acid (even TPPL)

Monitoring and Analysis

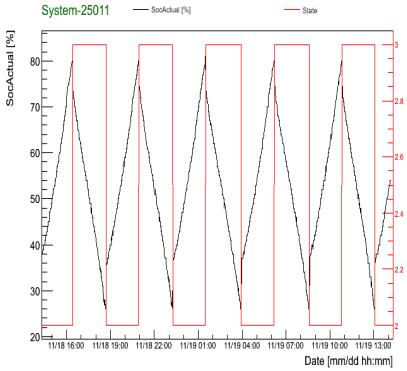
IMERGY POWER SYSTEMS

Online Monitoring Web Page



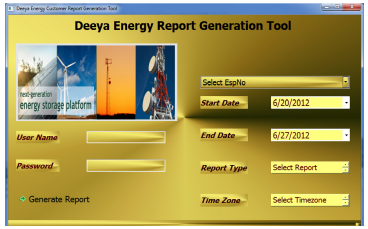
All working ESPs can be monitored through Imergy's Live monitoring Web Page which also shows current status and highlights error/warnings of systems

Graphical Analysis Tool



Graphical Analysis tool is a tool to analyze ESP's any of the parameter for any period

Report Generator Tool



1	ESPNO	POWER-SOURCE	STATE	SOC-START	SOC-END	START-TIME	END-TIME	CHARGE-DG	FLOAT-DG	TOTAL-DG	CHARGE-EB	FLOAT-EB	TC
191	25010	ALLOF	DISCHARGE	85	64	5/8/2012 22:10	5/8/2012 23:10						
192	25010	EB	CHARGE	66	87	5/8/2012 23:12	5/8/2012 23:58				0:46:16		
193	25010	EB	FLOAT	89	89	5/8/2012 23:59	5/8/2012 23:59					0:00:00	
194													
195													

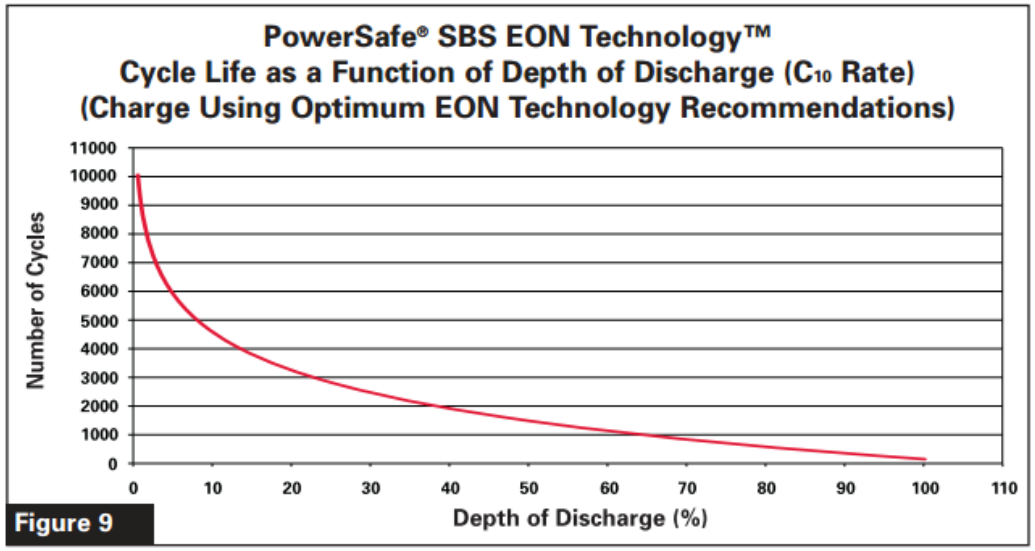
196	ESPNO	SITE-ID	SITE-NAME	CHARGE-CYCLES	DISCHARGE_CYCLES	START-DATE	END-DATE	TOTAL-CHARGE-DG	TOTAL-FLOAT-DG	TOTAL-DG-RUN	TOTAL-CHARGE-EB	TOTAL-FLOAT-EB	TC
197	25010		Juan	89	87	5/2/2012 0:00	2012-5-9 00:00:00	23:30:25	00:00:00	23:31:50	41:01:35	10:29:37	51
198													

Report Generator tool generates ESPs performance report between any date interval as selected by user with selected parameters as needed to generate reports by NOC, Engineering and Customer use.

IMERGY POWER SYSTEMS

3. Competitive Analysis

Lead-Acid Battery Limitations

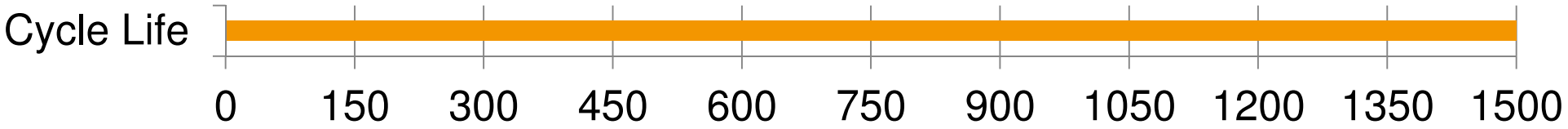


Source: Enersys PowerSafe Application Guide

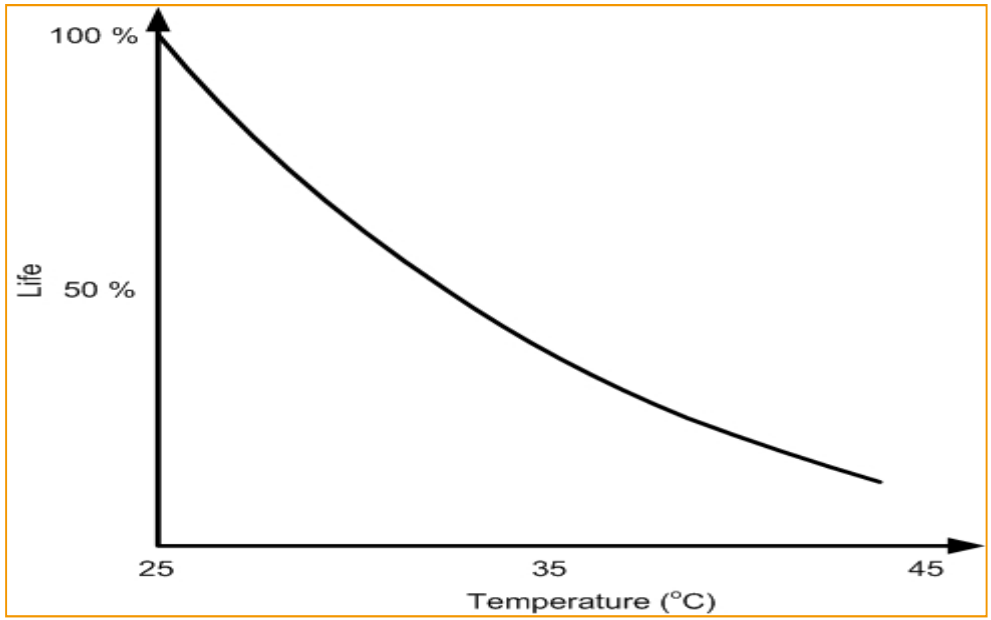
Impact of Use on Cycle Life

- 1,500 cycle life @ 50% depth of discharge

Lead-acid batteries are very sensitive to temperature effects. It can be expected that battery temperature exceeding 77°F (25°C) will decrease expected life by approximately 50% for each 18°F (10°C) increase in average temperature



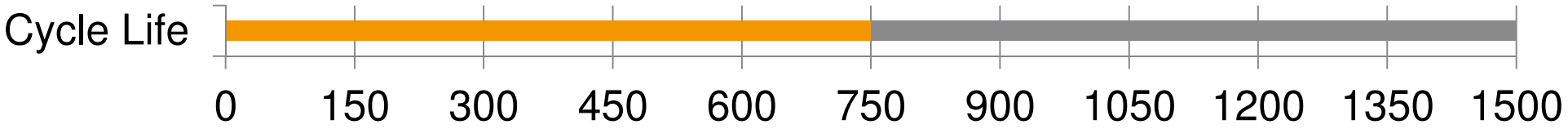
Lead-Acid Battery Limitations



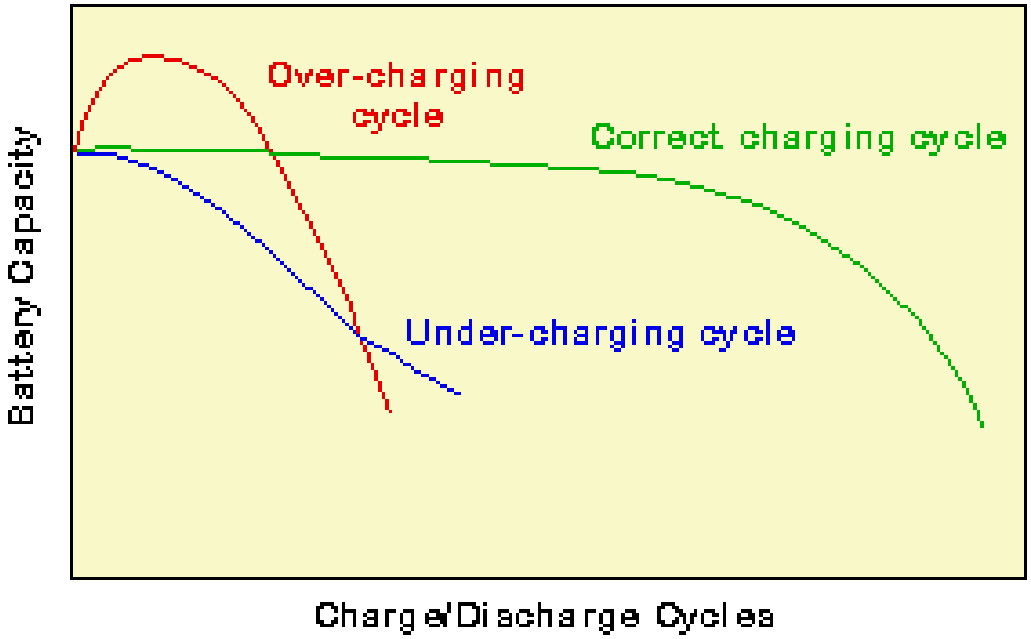
Source: Tyco Electronics product manual

Impact of Use on Cycle Life

- 1,500 cycle life @ 50% depth of discharge
- 50% reduction in life at 35º C



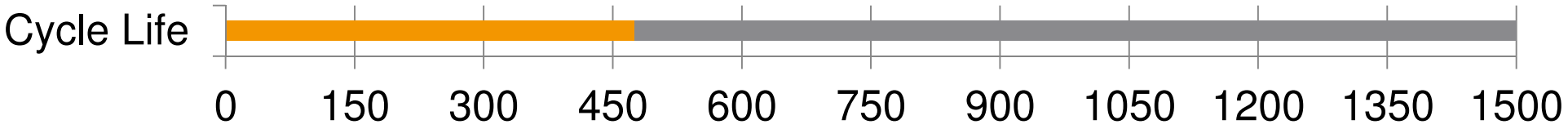
Lead-Acid Battery Limitations



Source: Tyco Electronics Product Manual

Impact of Use on Cycle Life

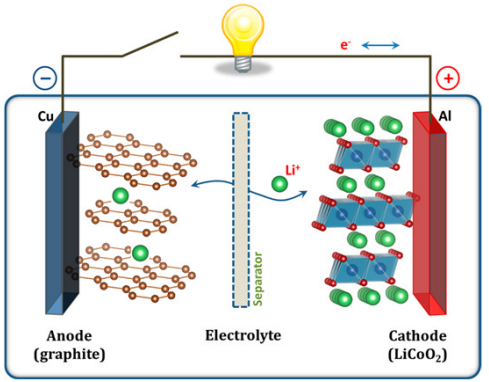
- 1,500 cycle life @ 50% depth of discharge
- 50% reduction in life at 30C
- Partial state of charge/Improper Charging
  - Capacity reduction
    - Additional 37% loss @ 70% depth of discharge



Li-ion Batteries

IMERGY POWER SYSTEMS

- High energy density and improved cycle life makes them a good choice for many small consumer applications
- The main issue with this material is **safety in large installations**, when abused it can release large amount of energy, potentially resulting in fire
- Li Ion systems are very sensitive to abuse and do not tolerate operation outside a very narrow and firm operating regime. Excursions outside this regime, typically due to BMS failures, have very quickly led to a fire situation.
- **It is imperative** to integrate a high quality Battery Management System to ensure safety. This effectively doubles the price of a Li-Ion battery system (INTELEC 2013).



Schematic illustration of the first Li-ion battery (LiCoO2/Li+ electrolyte/graphite)

Samsung-INCELL: SoC Vs. DoD

IMERGY POWER SYSTEMS

Li-Ion Battery System Proposal

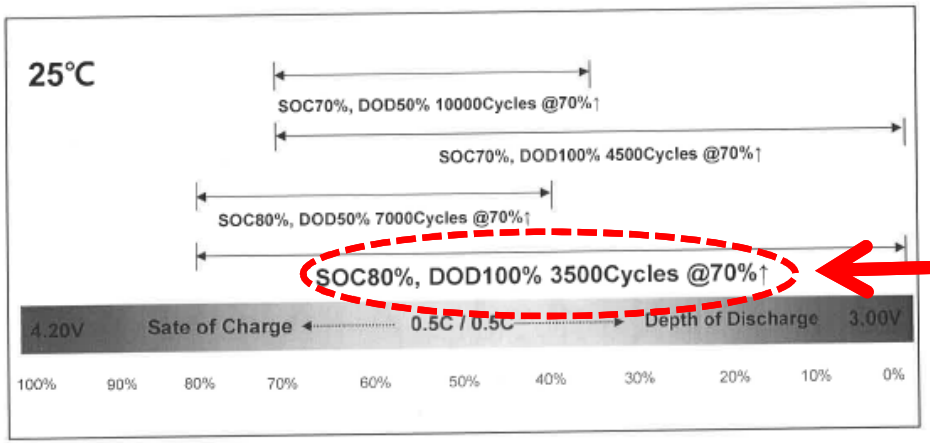
- Field Test for India Telecom Tower -

Apr. 2012

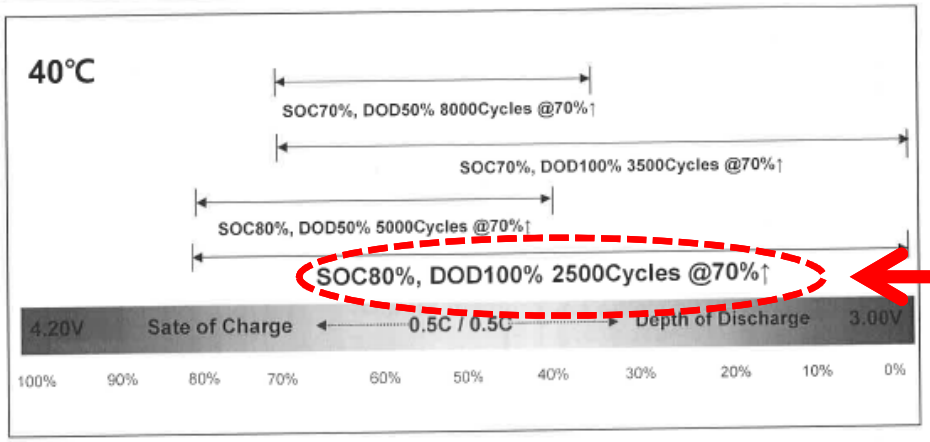
SAMSUNG SDI INCELL

SP48-22 standard battery pack from Samsung SDI

▣ SOC vs. DOD Cycle Life Analysis @ 25℃ & 40℃



3500 Cycles



2500 Cycles

IESP vs Other Flow Batteries

IMERGY POWER SYSTEMS

Key Attributes	Imergy Redox	Zn-Br*	VRFB Sulfuric**	Fe-Cr***
Liquid storage with no solid state issues	☑	⊗	☑	☑
Cycle life	☑	⊗	☑	⊖
Fast charge	☑	⊗	⊖	⊖
Lifecycle cost	☑	⊗	☑	⊖
High temperature (50C) operation	☑	⊗	⊗	⊖
Undesired side reactions: H2, O2, solid deposition, precipitation, gassing	☑	☑	⊗	⊗
Energy & power density	☑	☑	⊖	⊗
Fully decoupled energy storage and power	☑	⊗	☑	☑

* Zn-Br: Primus, Redflow, ZBB, Premium Power
** V-Sulfuric: Prudent, Gildemeister/Cellstrom, Galaxy
*** Fe-Cr: Enervault

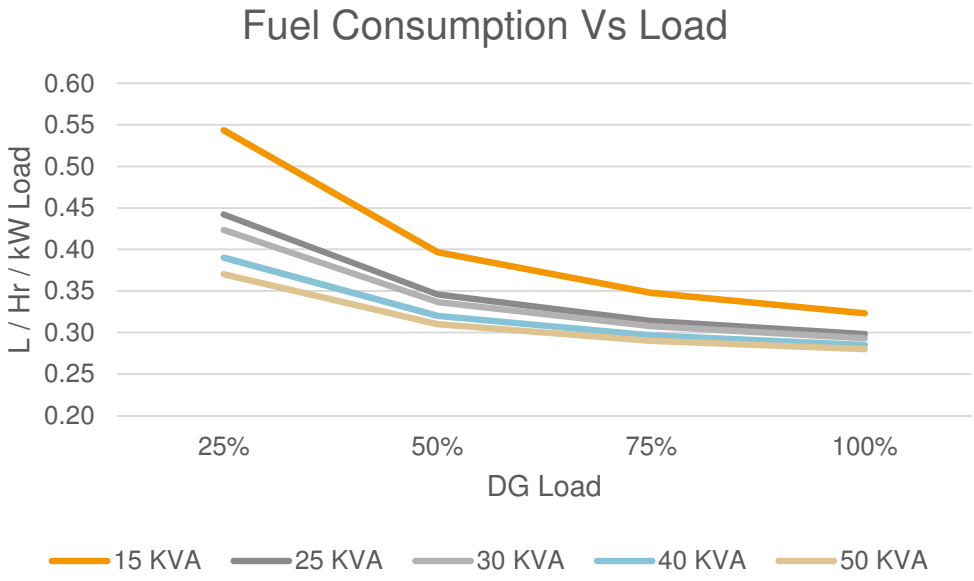
IMERGY POWER SYSTEMS

4. Performance Results

Fuel Consumption – Diesel Generator

IMERGY POWER SYSTEMS

Fuel Consumption for different loads						
Load	0%	25%	50%	75%	100%	
15 kVA	1.1	2.04	2.98	3.91	4.85	L/Hr
		0.54	0.40	0.35	0.32	L/Hr/kW Load
25 kVA	1.2	2.76	4.33	5.89	7.45	L/Hr
		0.44	0.35	0.31	0.30	L/Hr/kW Load
30 kVA	1.3	3.18	5.05	6.93	8.80	L/Hr
		0.42	0.34	0.31	0.29	L/Hr/kW Load
40 kVA	1.4	3.90	6.40	8.90	11.40	L/Hr
		0.39	0.32	0.30	0.29	L/Hr/kW Load
50 kVA	1.5	4.63	7.75	10.88	14.00	L/Hr
		0.37	0.31	0.29	0.28	L/Hr/kW Load

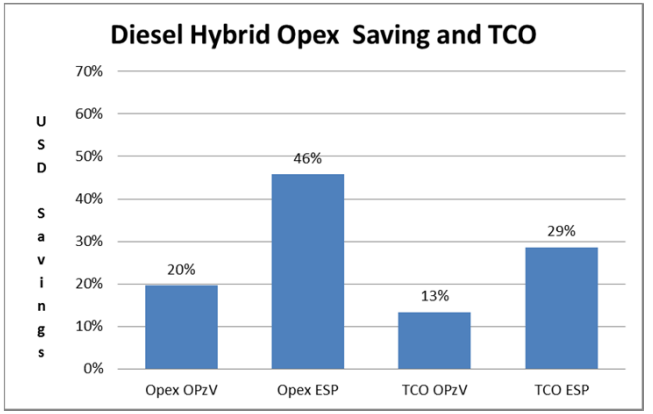


There are a number of sites that do not run dummy loads. The fuel consumption saving outweighs the decrease in asset life caused by coking

Off Grid performance comparison – Nigeria

IMERGY POWER SYSTEMS

Off Grid Site solution Diesel and Battery	Dual Generator	Deep Cycle OPzV Solution	Deep Cycle ESP5 Solution
Principle of operation	Two Diesel Generators run 24 / 7 alternating every 12 hours @ approx 25% load, which is very inefficient, so dummy loads are often added to reduce carbon build up and damage.	Generators charges OPzV battery and provides power to the site for part of the day, thus running at around 85% load. Generator turns off when battery fully charged. OPzV can only be discharged to 50% DoD, and has cycle life of around 1500 cycles. Cooling required to maintain 25 degrees environment.	Generator fast charges ESP and provides power to the site for part of the day, thus running at around 85% load. Generator turns off when ESP is fully charged. ESP can be fully discharged and has unlimited cycle life. No battery cooling required therefore lower average site loading
Average Site Loading, kW	4	5	4
Generator Power (kW)	12	12	12
Spare Generator Power for Charging	8	7	8
Available Battery Energy Capacity @ 48V (Ah)	0	600	625
Charge time per cycle, h	N/A	12	5.00
Discharge time per cycle, h	N/A	5.76	7.5
Charge time : Discharge time ratio	N/A	208%	67%
Daily run time of diesel (hours)	24	16.22	9.60
Number of cycles per day	n/a	1.35	1.92
US$ cost per liter of diesel	1	1	1
Average fuel consumption per site (litres/h)	2	2.64	3.2
Annual diesel consumption per site per (litres)	17,520	15,626	11,213
Fuel Delivery costs per site/ annum	1500	1014	600
Total Cost of diesel per annum US$	$19,020	$16,639	$11,813
O&M costs per annum on DG and batteries	$10,512	$7,103	$4,205
Total Annual OPEX Cost	**$29,532**	**$23,742**	**$16,018**
Total percentage Annual OPEX saving		**20%**	**46%**
Generator life in years before replacement	2.57	3.80	6.42
CAPEX replacement cost Diesel engine US$	$12,000	$12,000	$12,000
Battery or stack life to replacement	5	3.0	14.3
Initial Battery Hybrid System Cost	$1,000	$10,000	$21,000
Replacement Cost		$5,000	$3,500
Battery Replacement cost (amortised)	$1,000	$0	$0
TCO INCLUDING initial CAPEX	**$104,612**	**$90,697**	**$74,659**
TCO percentage savings		**13%**	**29%**

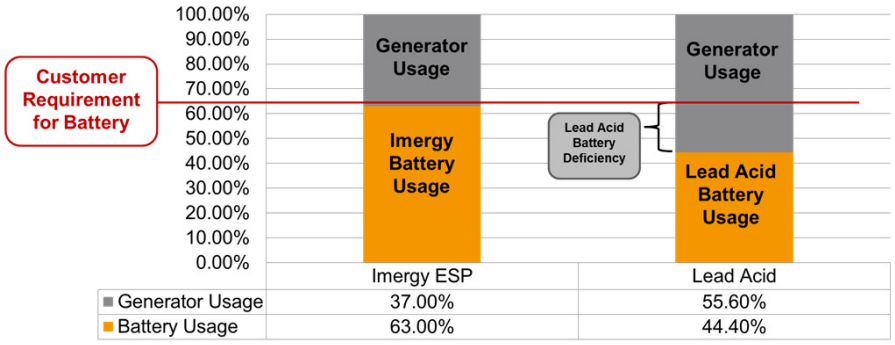


Input Parameters		
Site Load	4	kW
Generator Rating	15	KVA
Fuel Consumption @33% Load	2	l/hr
Fuel Consumption @66% load	2.64	l/hr
Fuel Consumption @90% load	3.2	l/hr
OPzV Capacity	1200	Ah
ESP Capacity	30000	kWh
ESP Efficiency	75%	%
TCO	3	Years
Cost OPzV Hybrid	10000	USD
Replacement Cost OPzV	5000	USD
Cost ESP Hybrid	21000	USD
Replacement Cost ESP	3500	USD
OPzV Charge Time	12	Hours
OPzV DoD	50%	%
Fuel	1	USD
OPzV Life	1500	Cycles
ESP Life	10000	Cycles

Case Studies

African: Diesel + Storage

- Off-grid telecom site reliant on diesel gensets
- Imergy ESP replaced lead acid hybrid system
- Average ambient temperature of 35C – 48C
- Diesel genset cycle operated at peak load for maximum efficiency
- 63% reduction in diesel generator use compared to 44% reduction from VRLA



India: Weak Grid Sites

- Three Indian telecom sites originally installed with valve-regulated lead acid (VRLA) batteries & diesel gensets
- Imergy ESP acted as backup power source in event of grid-outage, genset charges battery and supports telecom tower
- Average ambient temperature 28C – 35C
- Real-world fuel savings between 41% and 94%
- Payback period <2 years

Site	Grid Availability	Monthly Fuel Pre-ESP	Monthly Fuel Post-ESP	Monthly Fuel Savings (Litres)	Monthly Fuel Savings (%)	Annual Fuel Savings ($)
1	5.8 hr/day	926 L	547 L	379 L	41%	$6,822
2	16.0 hr/day	552 L	128 L	424 L	77%	$7,632
3	19.4 hr/day	495 L	29 L	466 L	94%	$8,388

Uninterruptible Power Supply for Data Centers

IMERGY POWER SYSTEMS

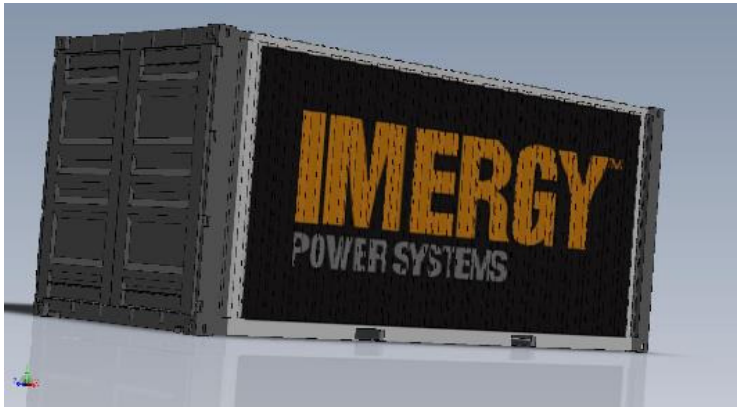
"Data centers could turn microgrid markets upside down"
- Navigant Research

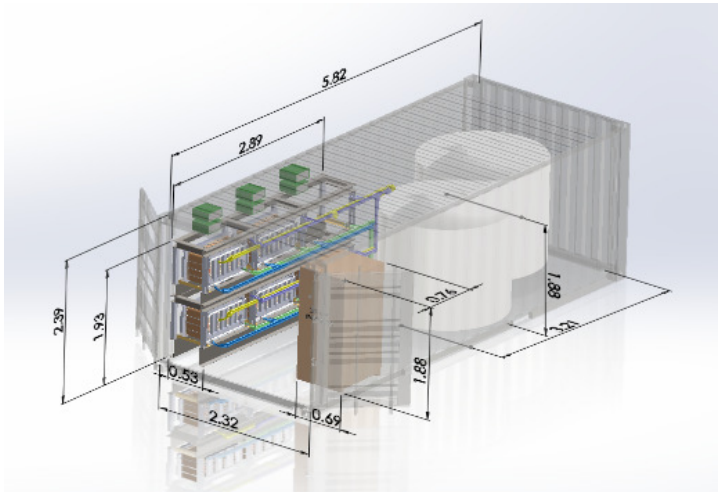
A must-have for mission-critical operations

- Battery storage helps protect against service interruptions that result from brownouts or power failures
- Technology is a critical asset for data centers, hospitals and other facilities that cannot tolerate service outages
- Battery storage offer additional operational benefits
  - Drive energy savings
  - Free up square footage
  - Potential to environmental hazards
- Several industrial giants have already focused on the data center power storage market, including ABB and General Electric

ESP30 Containerized Module & Specifications

IMERGY POWER SYSTEMS

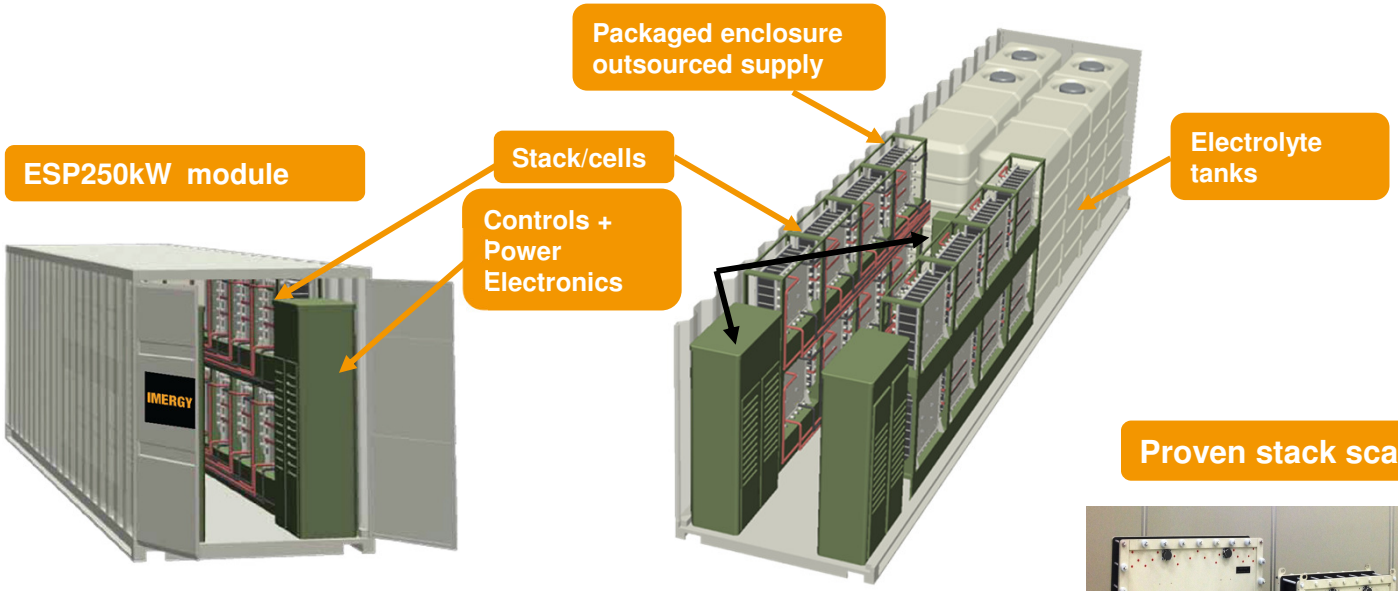




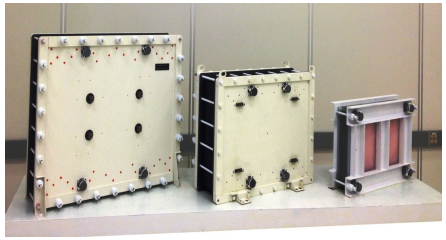
Parameter		Rating	Comments
Power rating output	DC kW AC kW: 380 to 480V 50/60Hz	40 30	Excludes pulse capability Excludes pulse capability
Response time AC	-100% to 100% output	<50ms	Communication latency effects excluded
Apparent Power	kVA	PF +-0.7 to +-1	Selectable
Weight	kg	16,725	Includes electrolyte
Dimensions	H x W x L (m)	2.8 x 2.2 x 5.8	Container
Cycles		100,000	No limit. Based on life only
DC DC efficiency		75%	Measured at constant current over 20% duty cycle
Storage duration		1 to 6 hours	A function of electrolyte tank selection
Charge power maximum	kW AC	40	Adjustable
Discharge power maximum	kW AC	30	Excludes pulse capability
Capacity range		0 to 100%	No life impacts
Communications interface		Modbus/TCPIP	Multiple including CANBUS in multiple strings
Ambient operating conditions		-20 to 55 Celsius	Conditioned space not required
Altitude		2000m	AC derated based on PCS and transformer
Cooling		Air cooled	
Relative humidity		0-95%	
Availability figure		99.16%	Single module EAR and FOR data available on request
Self discharge	%/day	0.010%	
Stack replacement		10 years	In accordance with O&M procedures at a % of module first cost
Noise level dBa 1 meter		<70dBa	
Warranty	standard extended	5 years 10 years	
Start up from Battery support mode to grid connected		< 45 seconds	
Transition between Grid and islanded modes		<100ms	
General:			
The system is designed with intent to comply with the following standards:		IEE1547, IEEE519, UL1741, CE	System will certified by April 2015
Containerized electrolyte containers		Determined by HOURS of storage	

The Future: Imergy's Technology is Modular and Scalable and Includes Power Electronics and Software as a Solution

IMERGY POWER SYSTEMS



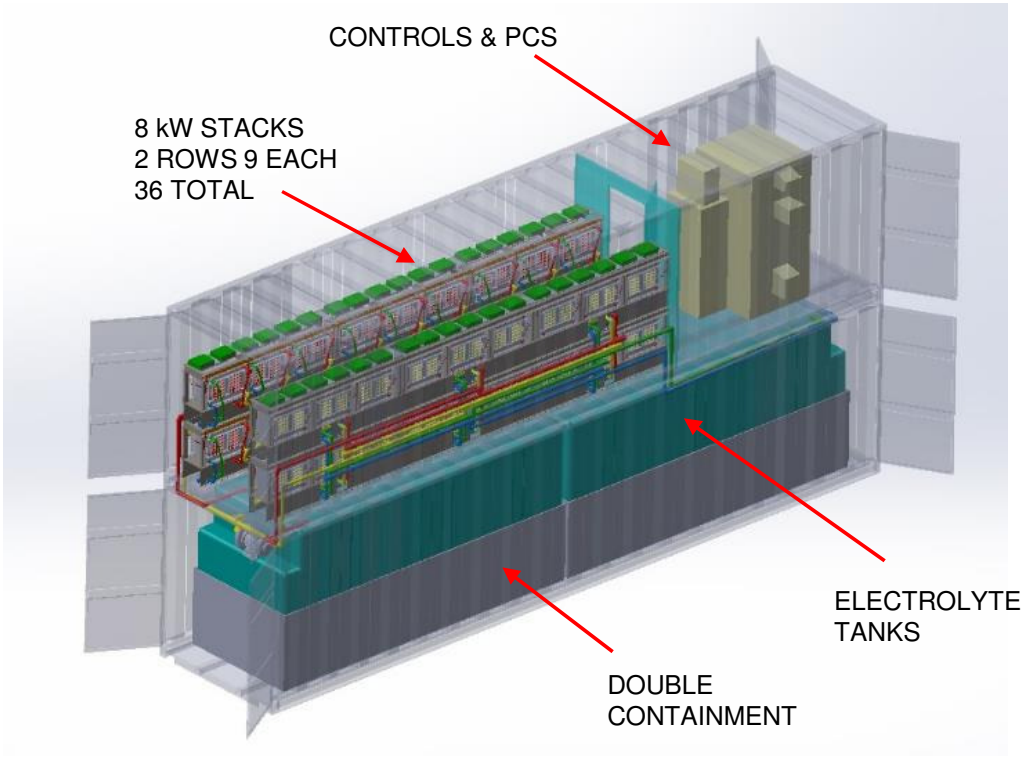
Proven stack scaling



Lowest LCOE for large-scale applications requiring long discharge time, fast charging, and long cycle life

ESP250 Containerized Module & Specifications

IMERGY POWER SYSTEMS



Parameter		Rating	Comments
Power rating output	DC kW AC kW: 380 to 480V 50/60Hz	290 250	Excludes pulse capability Excludes pulse capability
Response time AC	-100% to 100% output	<50ms	Communication latency effects excluded
Apparent Power	kVA	PF +-0.7 to +-1	Selectable
Weight	kg	13,720	Excludes electrolyte
Dimensions	H x W x L (m)	2.8 X 2.1 X 11.2	Container
Cycles		100,000	No limit. Based on life only
DC DC efficiency		75%	Measured at constant current over 20% duty cycle
Storage duration		1 to 8 hours	A function of electrolyte tank selection
Charge power maximum	kW AC	290	Adjustable
Discharge power maximum	kW AC	250	Excludes pulse capability
Capacity range		0 to 100%	No life impacts
Communications interface		Modbus/TCPIP	Multiple including CANBUS in multiple strings
Ambient operating conditions		-20 to 55 Celsius	Conditioned space not required
Altitude		2000m	AC derated based on PCS and transformer
Cooling		Air cooled	
Relative humidity		0-95%	
Availability figure		99.16%	Single module EAR and FOR data available on request
Self discharge	%/day	0.010%	
Stack replacement		10 years	In accordance with O&M procedures at a % of module first cost
Noise level dBa 1 meter		<70dBa	
Warranty	standard extended	5 years 10 years	
Start up from Battery support mode to grid connected		< 45 seconds	
Transition between Grid and islanded modes		<100ms	
General:			
The system is designed with intent to comply with the following standards:		IEE1547, IEEE519, UL1741, CE	System will certified by April 2015
Containerized electrolyte containers		Determined by HOURS of storage	

USP 4 : Warranty, Financing and Pricing

IMERGY POWER SYSTEMS

USP

- The ESP has a standard 5 year performance warranty that can be extended to 10 years
- IMERGY can offer split Capex / Opex financing solutions where the electrolyte element is leased on a 5 year monthly payment basis
- Typical cost of 1 x 5kW / 30khW complete system is $750/kWh (48VDC)
- Typical cost of a 1 x 30kW / 200kWh complete system is $650/kWh (240VAC, 3 Phase, Microgrid)
- Typical cost of a 1 x 250kW / 1MWH complete system is $500/kWh (480VAC, 3 Phase, load shifting, peak shaving, wind firming)

IMERGY POWER SYSTEMS

Thank you