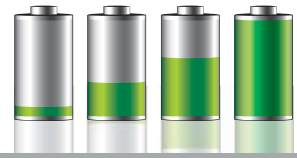


CHARGING THE FUTURE



CONFERENCE PROGRAM

EES NORTH AMERICA CONFERENCE

JULY 11–13, 2016
SAN FRANCISCO, USA





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EXHIBITION PROGRAM & SPECIAL EVENTS

20	ees (electrical energy storage) Stage
20	White Paper Release Event
22	ees – The Leading Exhibition Series for Batteries and Battery Storage Systems



CONFERENCE QUICK FACTS

Dates July 11–13, 2016
Hours Monday 9am–7pm
 Tuesday & Wednesday 9am–6pm
Venue InterContinental Hotel
 888 Howard Street, SF, CA 94103
 Conference Area – Levels 3–5

Speakers 70+
Attendees 1,600 (estimated)
Program → www.ees-northamerica.com → Program
 → www.intersolar.us → Program
Registration → www.ees-northamerica.com → Registration
 → www.intersolar.us → Registration

ORGANIZERS



Mobile App

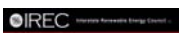
The Intersolar and ees Mobile App is your on-the-go guide for Intersolar and ees North America 2016. Access detailed floor plans, exhibitor descriptions, and information on accompanying exhibition and conference programs straight from your mobile device. Download the Intersolar and ees App at → www.intersolarglobal.com/App





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CONFERENCE | WORKSHOP PARTNERS



CONFERENCE SPONSORS



PROGRAM ADVISORS



EES NORTH AMERICA CONFERENCE

INTERSOLAR NORTH AMERICA CONFERENCE (PLEASE TURN THE BROCHURE)

Monday July 11, 2016

9:00am–10:30am	Hot Spots of the U.S. Storage Market	Global PV Markets: Emerging Markets Across the Americas: Honduras/Guatemala/Panama	Smart Energy Market Transformation, Financing the Future	
Coffee				
11:00am–12:30pm	Battery Technologies: Next Generation of Cells Achieving Cost Targets and Safety Requirements	Global PV Markets: Growth Stage Markets Across the Americas: Mexico/Chile/Brazil/Argentina	Residential and C&I Developer Focus: What's Working? Who's Winning?	
Lunch				
1:30pm–3:00pm	Battery System Development: Addressing Key Topics in Terms of Safety, Reliability & Efficiency	Global PV Markets: Asia's Support Policies Changed the Global PV Dynamics	Investor Focus: What's In? What's Out?	
Coffee				
3:30pm–5:00pm	Applications: Self-consumption and Autonomy (Resi/Com PV Storage Systems, Mini-grids)	Global PV Markets: A Sustained Boom across North-America?	Financing the Future of Solar Energy, from Dumb Solar to Energy Trader?	
5:30pm–7:00pm	Opening Ceremony – The 25 th Anniversary of Intersolar			
7:00pm	Welcome Reception (Pacific Terrace)			

Tuesday July 12, 2016

9:00am–10:45am	Applications: Storage Systems for Renewable Power Plants	Net Metering Present and Future	Smart Energy Asset Management: From Project After-Thought to Billion Dollar Industry	Crystalline Silicon PV: Addressing the Future
Coffee				
11:15am–1:00pm	Panel: Economic Viability of Battery Storage – Where are we today (One Year after Tesla Announcements)?	Making Virtual Net Metering Work in California	Asset Management and O&M: Success and Challenges from the Field	PV Production: A Wealth of Innovation Creating Untapped Potential
Lunch				
2:00pm–3:45pm	The Role of Storage in the E-mobility Market Segment	Scaling Shared Solar: What's Working, What's Not, and What's Next?	Operations Data Technology and IT Convergence or Collision?	PV Plants: Design, Reliability and Monitoring
Coffee				
4:15pm–6:00pm	Financing Storage Projects		Advanced Topics for New Business Models and Operations: Are You Ready?	Balance of Systems: Inverter – The Pacemaker of PV Power Plants
5:00pm	Solar Summerfest "Back to the 80s" (Metreon Rooftop)			

Wednesday July 13, 2016

9:00am–10:45am	Storage Standards: Turbocharge Storage Adoption and the Solar Industry	Financing from the Customer Perspective	Improving the Bankability and Investability of Solar	Smart Renewable Energy: System Integration
Coffee				
11:15am–1:00pm		Growth Company Forum: From the Idea to a Multi-Billion Dollar Business	The Future of PV: Executive Panel	Smart Renewable Energy: Building a Smarter Grid
Lunch				
2:00pm–3:45pm			Renewable Energy Hybrid Systems: Coming of Age	Smart Renewable Energy: Grid Structure & Big Data
Coffee				
4:15pm–6:00pm			Energy Fuels, Storage and Desalination Technologies in the Context of the Power Grid Towards the Transition a 100% Renewable Energy System	Smart Renewable Energy: State Approaches to Distributed Energy Resources

■ Markets
 ■ Finance
 ■ Photovoltaic Technology
 ■ Smart Renewable Energy
 ■ Subject to change

PRICING EES/INTERSOLAR NORTH AMERICA

Tickets	Regular June 4–July 8	On-site July 9–14
Full Conference Package	\$950	\$975
Conference Day Ticket	\$550	\$575
Exhibition Ticket	\$100	\$150
Solar Summerfest	\$110	\$140
Exhibition & Solar Summerfest	\$200	\$250

The Full Conference Pass includes all ees & Intersolar sessions plus catering (coffee breaks/lunches) on all 3 conference days. Conference Day Tickets are sessions (ees & Intersolar only of the day(s) selected). Any conference registration grants you full access to the expo halls, Opening Ceremony and Welcome Reception. ees attendees with a valid badge (Full Package/Day Ticket) can visit ASES Solar2016's concurrent conference tracks free of charge.

WORKSHOPS AT INTERCONTINENTAL HOTEL

Monday July 11, 2016

9:00am–
12:30pm

Power Electronics
for Photovoltaics

National Electric
Code PV

Lunch

1:30pm–
5:00pm

Fundamentals of
Energy Storage Systems

5:30pm–
7:00pm

Official Opening Ceremony

7:00pm

Welcome Reception (Pacific Terrace)

Tuesday July 12, 2016

9:00am–
6:00pm

Advanced Design:
PV with Energy Storage
Systems for Residences

Fundamentos Técnicos de
Diseño e Instalación de
Sistemas FV Interconectados

5:00pm

Solar Summerfest "Back to the 80s" (Metreon Rooftop)

Wednesday July 13, 2016

9:00am–
1:00pm

Megawatt-Scale PV:
Design and Installation

Lunch

2:00pm–
6:00pm

PV System Operations
and Maintenance

Subject to change

WORKSHOP PRICING

Workshop Tickets	Regular June 4–July 8	On-site July 9–14
Full Day Workshop	\$550	\$575
Half Day Workshop	\$315	\$335

Any workshop registration grants you full access to the expo halls, Opening Ceremony and Welcome Reception.

EES NORTH AMERICA CONFERENCE COMMITTEE

ADVISORY BOARD



Dan Borneo
Senior Electrical Engineer
Sandia National Laboratory, U.S.



James J. Greenberger
Executive Director
NAATBatt International, U.S.



Haresh Kamath
Program Manager
Energy Storage, EPRI, U.S.



Dr. Matthias Vetter
Head of Department PV Off-Grid
Solutions and Battery System
Technology, Fraunhofer Institute for
Solar Energy Systems (ISE), Germany

INDUSTRY BOARD



Doug Staker
Vice President Global Sales
Demand Energy, U.S.



Andrew Tanner
Vice President Business Development
Growing Energy Labs Inc. (Geli), U.S.



Boris von Bormann
Chief Executive Officer
sonnen, Inc., U.S.



Time 9:00am–10:30am

Room

**Grand Ballroom A & B
InterContinental Hotel****Summary**

During this session delegates will learn about the policies and market developments in key markets of North America (e.g. California and Ontario/Canada) as well as in selected countries across the globe. Challenges of energy storage deployment will be highlighted on an operational, economical as well as on a regulatory level.

HOT SPOTS OF THE U.S. STORAGE MARKET

- 9:00am** Welcome and Introduction
Boris von Bormann, Chief Executive Officer, sonnen, Inc., U.S.
- 9:05am** Economics of Storage
Kirk Stokes, Sales Director, Sharp Electronics Corporation, U.S.
- 9:25am** Estimating Maximum Potential Revenue from Energy Storage in Market Areas
Raymond Byrne, Distinguished Member of the Technical Staff, Sandia National Laboratories, U.S.
- 9:45am** Recent Developments in California's Skyrocketing Storage Market
Janice Lin, Managing Partner Strategen Consulting, Director & Co-Founder, California Energy Storage Alliance (CESA), Strategen Consulting/California Energy Storage Alliance, U.S.
- 10:05am** Lessons from Japan: Bridging the Gap between Solar + Utilities in the U.S.
Harumi McClure, Managing Director, Tabuchi America, U.S.

Boris von
BormannRaymond
ByrneJanice
LinHarumi
McClure

Time 11:00am–12:30pm

Room

**Grand Ballroom A & B
InterContinental Hotel****Summary**

In the focus of this session are evolutionary improvements of market available battery technologies. Furthermore new and promising storage technologies will be addressed with the central question: How fast will flow batteries and new cell chemistries be able to steal market share from lithium-ion battery systems?

**BATTERY TECHNOLOGIES: NEXT GENERATION OF CELLS ACHIEVING
COST TARGETS AND SAFETY REQUIREMENTS**

- 11:00am** Welcome and Introduction
Dr. Matthias Vetter, Head of Department PV Off-Grid Solutions and Battery System Technology, Fraunhofer Institute for Solar Energy Systems (ISE), Germany
- 11:05am** New Directions for Lower Cost Flow Batteries
Dr. Imre Gyuk, Energy Storage Program Manager, Office of Electricity Delivery and Energy Reliability, Department of Energy (DOE), U.S.
- 11:25am** Breakthrough Developments at Private Public Partnerships
Dr. James Fleetwood, Senior Materials Scientist, Battery Innovation Center, U.S.
- 11:45am** Teaming Up with Software: The Secret to Getting New and Promising Storage Technologies to Market
Virgil Beaston, Chief Technology Officer, Powin Energy, U.S.
- 12:05pm** Zinc-Bromide Flow Batteries: Reducing Costs and Increasing Market Share
Mio Dart, Systems Integrator Engineer, RedFlow Limited, U.S.

Dr. Matthias
VetterDr. Imre
GyukDr. James
FleetwoodVirgil
BeastonMio
Dart

BATTERY SYSTEM DEVELOPMENT: ADDRESSING KEY TOPICS IN TERMS OF SAFETY, RELIABILITY & EFFICIENCY

- 1:30pm** Welcome and Introduction
Mark Tholke, Vice President of Development, Advanced Microgrid Solutions, U.S.
- 1:35pm** Installing EES Behind the Meter: An Update on the Regulatory Environment
Laurie B. Florence, Principal Engineer, Large Format Batteries, UL LLC, U.S.
- 1:55pm** Improving Energy Storage Project Economics Through Optimized Energy Storage System Design
Brad Fiebig, Product Manager Energy Storage, Lockheed Martin, U.S.
- 2:15pm** Matrix: Complete, Real-Time Synchronization of all Electricity among Grid, DG and Electrical Application
Dan Nordloh, Executive Vice President of Global Business Development, EnSync Energy Systems, U.S.
- 2:35pm** Flow Batteries – The Clear Choice for Investors Grade Energy Storage Solutions
Stefan Schauss, Head of Sales, Gildemeister Energy Storage, Austria



Laurie B.
Florence



Brad
Fiebig



Dan
Nordloh



Stefan
Schauss

Time 1:30pm–3:00pm
Room

**Grand Ballroom A & B
InterContinental Hotel**

Summary

In the focus of this session are evolutionary improvements of market available battery technologies. Furthermore new and promising storage technologies will be addressed with the central question: How fast will flow batteries and new cell chemistries be able to steal market share from lithium-ion battery systems?

APPLICATIONS: SELF-CONSUMPTION AND AUTONOMY (RESI/COM PV STORAGE SYSTEMS, MINI-GRIDS)

- 3:30pm** Welcome and Introduction
Scott Agnew, PhD Student, University of Queensland, Australia
- 3:35pm** Optimal Integration of Household-level Solar with Storage: A Systems Thinking Approach
Scott Agnew, PhD Student, University of Queensland, Australia
- 3:55pm** Evaluation of Grid-Tied Energy Storage Opportunity for the Commercial and Industrial Sector in the U.S.
Ankush Halbe, Director of Technology, M+W Group, U.S.
- 4:15pm** Advanced BESS Technologies Lower Costs and Increase Self-consumption of Distributed PV
John Merritt, Director of Applications Engineering, Ideal Power, Inc., U.S.
- 4:35pm** Solar + Storage Enabling Microgrid Commercialization
Sudipta Lahiri PhD, Senior Consultant, DNV GL risk management, U.S.



Scott
Agnew



Ankush
Halbe



John
Merritt



Sudipta
Lahiri PhD

Time 3:30pm–5:00pm
Room

**Grand Ballroom A & B
InterContinental Hotel**

Summary

This session examine the prospects of residential and commercial systems in different geographic locations as well as policy, regulatory and rate structures that will determine its success. The increase of PV self-consumption in residential and commercial applications by storage integration and smart energy management will be highlighted. Additional benefits like backup functionality of residential and commercial PV battery systems will be described. Finally the potential of maximizing the share of renewables in mini-grids by smart storage integration will be shown.

Time 1:30pm–5:00pm

Room

Telegraph Hill,
InterContinental Hotel

Workshop

Single Ticket: \$335
(separate registration
required)

NABCEP Advanced
Educational Hours for the
Certification Exams: 3
NABCEP CE – 3 hrs
(Task Analysis: 3)

WORKSHOP: FUNDAMENTALS OF ENERGY STORAGE SYSTEMS

Summary

A wide range of applications and their varying topologies make battery-based systems a complicated topic. Let instructors with decades of experience demystify battery-based applications and equipment. Topics include dc- and ac-coupled PV, residential storage systems, microgrid applications, zero-sell and self-consumption models.

1:30pm

Workshop: Fundamentals of Energy Storage Systems

- Laura Walters, Instructor, Solar Energy International (SEI), U.S.
- Kris Sutton, Instructor, Solar Energy International (SEI), U.S.



Laura
Walters



Kris
Sutton

Partner



**SOLAR ENERGY
INTERNATIONAL**

Educate.
Engage.
Empower.

Optimizing Commercial Systems



MONDAY, JULY 11, 2016

Time 9:00am–10:45am

Room

**Grand Ballroom A & B
InterContinental Hotel**

Summary

What arguments have utilities successfully made to the regulators in order to permit utilities to use public, rate supported funds to invest in storage? Necessity of storage integration to enable base load functionality of renewable power plants: To what extent is it needed? Direct marketing models of PV electricity: To what extent are storage systems needed to secure feeding-in according to the predicted and negotiated load curve? These key questions are in the focus of this session dealing with large-scale power plant applications.

APPLICATIONS: STORAGE SYSTEMS FOR RENEWABLE POWER PLANTS

9:00am

Welcome and Introduction

Dan Borneo, Engineering Program/Project Lead, Sandia National Laboratories, U.S.

9:05am

Empowering Resilient Communities: Energy Storage Applications in Community Solar Gardens

Frank Bergh, Principal Technical Advisor, SoCore Energy, U.S.

9:30am

Large Scale Energy Storage

John Jung, Chief Executive Officer, Greensmith Energy Mgmt Systems, U.S.

9:55am

Using Energy Storage and Advanced Control to Improve Solar PV Plant Performance

Patt Hayes, Business Development for Energy Storage Systems, Converters, and Controls, ABB Inc., U.S.

10:20am

What's Happening on the Other Side of the Atlantic: Battery Energy Storage Opportunities in Europe

Florian Mayr, Partner, Apricum – The Cleantech Advisory, Germany



Dan Borneo



Frank Bergh



John Jung



Patt Hayes



Florian Mayr

Time 11:15am–1:00pm

Room

**Grand Ballroom A & B
InterContinental Hotel**

Summary

Price experience curves: How realistic are the actual forecasts? What are the main drivers for cost reduction? Does standardization accelerate economy of scale effects? A high-level group of experts will discuss these questions and provide insights to their specific point of view.

PANEL: ECONOMIC VIABILITY OF BATTERY STORAGE – WHERE ARE WE TODAY? (ONE YEAR AFTER TESLA ANNOUNCEMENTS)

11:15am

Welcome and Introduction

James J. Greenberger, Executive Director, NAATBatt International, U.S.

11:20am

Panel: Economic Viability of Battery Storage – Where are we Today? (One Year after Tesla Announcements)

Andrew Tanner, VP, Business Development, Growing Energy Labs Inc. (GELI), U.S.

Kunal Phalpher, Director, Business Development. ElectroVaya, Canada

Greg Maguire, Founder and Vice President of Sales and Marketing, Adara Power, U.S.

Andy Lubershane, Principal Researcher, IHS Energy, U.S.



James J. Greenberger



Andrew Tanner



Kunal Phalpher



Greg Maguire



Andy Lubershane

THE ROLE OF STORAGE IN THE E-MOBILITY MARKET SEGMENT

- 2:00pm** Welcome and Introduction
Michael Starke, Electrical Engineering Researcher, Oak Ridge National Laboratory, U.S.
- 2:05pm** V2G EV Charging: The Ground-Breaking Technology of Today & the Future
Darren Hammell, President and Chief Executive Officer, Princeton Power Systems, U.S.
- 2:30pm** Secondary Use Energy Storage Demonstration Project and Economics
Michael Starke, Electrical Engineering Researcher, Oak Ridge National Laboratory, U.S.
- 2:55pm** Longevity of Batteries in Electric Vehicle Applications
Dr. Matthias Vetter, Head of Department PV Off-Grid Solutions and Battery System Technology, Fraunhofer Institute for Solar Energy Systems (ISE), Germany



Darren Hammell



Michael Starke



Dr. Matthias Vetter

Time 2:00pm–3:30pm
Room

**Grand Ballroom A & B
InterContinental Hotel**

Summary

How is the market and technology evolving, and where are the sweet spots in the US market today and tomorrow?

FINANCING STORAGE PROJECTS

- 4:15pm** Welcome and Introduction
Vic Shao, Chairman & Chief Executive Officer, Green Charge Networks, U.S.
- 4:20pm** Energy Storage Performance vs. Fixed Financing
Vic Shao, Chairman & Chief Executive Officer, Green Charge Networks, U.S.
- 4:45pm** Closing the Deal: Anatomy of a Storage Project Transaction
Audrey Fogarty, Vice President of Product Management, Yunicos, U.S.
- 5:10pm** The Future of PV – The Changing Solar Value Proposition + Home Energy Financing
Phil Narodick, Director of Financial Products, Solar Mosaic, LLC, U.S.
- 5:35pm** Is Large-Scale Storage Primed to Break Out?
Matthew B. Welling, Associate, CROWELL & MORING LLP, U.S.



Vic Shao



Audrey Fogarty



Phil Narodick



Matthew B. Welling

Time 4:15pm–6:00pm
Room

**Grand Ballroom A & B
InterContinental Hotel**

Summary

Are there strategies or structures for providing a PPA or a PPA-like structure that will permit a lender to extend credit to storage projects? Are there any storage projects that can be financed on a merchant basis? Which mechanisms are needed to implement successfully risk management strategies. This session will provide insights to the position and arguments of investors and the financial sector.

Time 9:00am–6:00pm

Room

Telegraph Hill,
InterContinental Hotel**Workshop**Single Ticket: \$575
(separate registration
required)NABCEP Advanced
Educational Hours for the
Certification Exams: 6
NABCEP CE – 6 hrs
(NEC: 1; Task Analysis: 5)**WORKSHOP: ADVANCED DESIGN: PV WITH ENERGY STORAGE SYSTEMS FOR RESIDENCE****Summary**

The market demand for energy storage technologies presents new opportunities and varied applications, but battery-based system design and installation is a complex task. This course is an in-depth look at sizing systems and selecting components for residential battery-based applications. NEC 2014 requirements, best-practice design, and system maintenance strategies will be presented by instructors who have extensive experience designing, installing, and servicing battery-based PV systems.

9:00am**Workshop: Advanced Design: PV with Energy Storage Systems for Residence**

- Joe Villacci, Instructor, Solar Energy International (SEI), U.S.
- Kris Sutton, Instructor, Solar Energy International (SEI), U.S.
- David del Vecchio, Instructor, Solar Energy International (SEI), U.S.

Joe
VillacciKris
SuttonDavid
del Vecchio

Partner

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Batteries ENERGY STORAGE

Battery Recycling Power to Gas Battery Safety
Battery Management Systems
Redox Flow E-Mobility Fuel Cells
Charging Technology
Materials Back-Up Power
Innovative Production



TUESDAY, JULY 12, 2016



Time 9:00am–10:45am

Room

**Grand Ballroom B
InterContinental Hotel**

Summary

Codes and Emerging Standards for Control and Communications (IEEE 1815/DNP3, IEEE 2030.5/SEP2), OpenADR, Advanced Grids Standards from California Rule 21 and Around The World, EV to Grid; SunSpec and MESA Standards Initiatives to Deliver Standard Multiple Revenue Streams.

STORAGE STANDARDS: TURBOCHARGE STORAGE ADOPTION AND THE SOLAR INDUSTRY

- 9:00am** Welcome and Introduction
Tom Tansy, Chairman, SunSpec Alliance, U.S.
- 9:05am** Distributed Energy Resources – Grid Standards Around the World SIRFN
Smart Grid Collaboration and Storage
Tom Tansy, Chairman, SunSpec Alliance, U.S.
- 9:30am** UL Standards Update: Advanced Inverter, Energy Storage and Cybersecurity
William Colavecchio, General Manager, Electric Utility Services, UL LLC, U.S.
- 9:50am** Test Automation of Advanced Grid Integration Case Study
Bob Fox, Principal Engineer, SunSpec Alliance, U.S.
- 10:05am** Storage Device Standards - New SunSpec Storage Models & MESA Energy Storage Case Study
Andrew Miller, Vice President Engineering, 1Energy Systems, U.S.
- 10:30am** Round Table Discussion from the Speakers



Tom Tansy



William Colavecchio



Bob Fox



Andrew Miller

Partner



NAATBATT WORKSHOP: MAKING MONEY WITH STORAGE: WHERE IS STORAGE MAKING MONEY TODAY AND WHAT TECHNOLOGIES PRODUCE THE BEST RETURN ON INVESTMENT?

Summary The workshop will examine the principal ways developers monetize storage on the electricity grid. The strengths and weaknesses of different battery technologies for different types of storage will be discussed. The workshop will also look at exciting new storage technologies expected to come to the market soon that may change the economics, and the use, of storage on the grid.

10:00am **Workshop Chair**
Robert L. Galyen, Chief Technical Officer, Amperex Technology Limited, China and President of NAATBatt International, U.S.



Robert L.
Galyen



Time 10:00am–1:00pm

Location

Moscone West, Level 3,
Room 3010

Workshop

Price: \$100
(separate registration
required)

NAATBATT STORAGE WORKSHOP: WHAT'S NEXT IN THE CALIFORNIA ENERGY STORAGE MARKET

Summary The California 1.3 GW storage mandate has been the most important driver of the storage market to date in North America. The workshop will discuss how the mandate was structured and administered and what lessons have been learned from the process. Future storage procurements in California will be shaped by the experience of the last two years. The workshop will use the history of storage procurement in California to predict its future.

2:00pm **Workshop Chair**
Bernie Kotlier, IBEW-NECA of California/Nevada and Board Member of CalCharge and NAATBatt International, U.S.



Bernie
Kotlier



Time 2:00pm–5:00pm

Location

Moscone West, Level 3,
Room 3010


Workshop

Price: \$100
(separate registration
required)

WEDNESDAY, JULY 13, 2016

ELECTRICAL ENERGY STORAGE (EES) STAGE

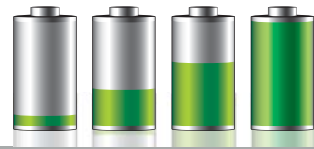
TUESDAY, JULY 12, 2016		LEVEL 2, ALCOVE 2
PRESENTATIONS OF THE EES AWARD FINALISTS		
11:00am	The New ProStar MPPT Solar Charge Controller Mark McHenry, Marketing Manager, Morningstar Corp., U.S.	
11:15am	Residential and Commercial Distributed Energy Storage as a Key to our Energy Future Boris von Bormann, Chief Executive Officer, sonnen, Inc., U.S.	
NEW RESEARCH RELEASE EVENT		
12:00pm	White Paper – Smart Solar: Integration of Storage and Energy Management <ul style="list-style-type: none"> ■ Published by Solar Promotion and CALSEIA ■ Research Provided by GTM Research ■ Ravi Manghani, Director, Energy Storage, GTM Research 	
<p>As solar penetration in the U.S. grows to the next order of magnitude, the industry will need to address non-dispatchability and value deflation concerns. Combining solar with storage and energy management can uncup opportunities for smart solar. Join the launch of the white paper on evolution of smart solar in California and nationally. Attendees will be provided access to this new report.</p> 		
SMART RENEWABLE ENERGY PRESENTATIONS		
12:30pm	smartflower the World's First Intelligent, All-in-one Solar System <ul style="list-style-type: none"> ■ Jim Gordon, CEO and Founder, Energy Management, Inc, Boston, U.S. ■ Alexander Swatek, Managing Partner and Founder, smartflower energy technology GmbH, Austria 	
1:00pm	RIDING THE STORM: Integrating 7 Energy Storage Systems Craig Wooster, MircoGrid Project Manager, Stone Edge Farms, U.S.	
1:30pm	Know More, Spend Less. Get Home Energy Insights with CURB Erik Norwood, Chief Executive Officer, Curb, Inc., U.S.	
2:00pm	SCADA Your Way: Customizable Solar Control Systems James Klotz, PE, Senior Electrical Engineer, Laramore Douglass and Popham, U.S.	
2:30pm	Best Practices for Forecasting and Mitigating Impacts from Variable Renewable Resources John Dirkman, PE, Vice President Product Management, Nexant Inc., U.S.	
3:00pm	Challenges in Complex Metering of a CAISO Solar Resource Christian Arechavaleta, Systems Integration Engineer, Pacific Power Engineers, Inc., U.S.	

WEDNESDAY, JULY 13, 2016	
SPECIAL EVENTS	
10:30am	Quality Assurance for Stationary PV Battery Systems Matthias Vetter, Head of Department PV Off-Grid Solutions and Battery System Technology, Fraunhofer ISE, Germany
11:00am	The SunDial Framework: Enabling High Penetration PV Though Integrated, Feeder-scale Control of DERs Matt Kromer, Distributed Electrical Energy Systems, Fraunhofer Center for Sustainable Energy Systems (CSE), U.S.
11:30am	Release of the New Solar Plus Storage Analysis Andrea Luecke, President and Executive Director, The Solar Foundation, U.S.
ENERGY STORAGE EXHIBITOR PRESENTATIONS	
12:30pm	Economic Viability of Battery Storage Greg Maguire, Founder and Vice President of Sales and Marketing, Adara Power, U.S.
1:00pm	Accurately, Objectively, Transparently – Modeling the Economics of Customer Sited Storage Projects John Gurski, Chief Executive Officer & Founder, Energy Toolbase, U.S.
1:30pm	Building the Case Study for Solar + Storage <ul style="list-style-type: none"> ■ Ryan Warten, Chief Executive Officer & Co-Founder, Geli, U.S. ■ Michael Seavey, National Solar Manager, Gexpro, U.S.
2:00pm	Energy Storage and Solar – Better Together Debi Ryan, Director, Channel Sales & Partnerships, Green Charge Networks, U.S.
SPECIAL EVENT	
2:30pm	15 th PV Briefing & Networking Forum USA <ul style="list-style-type: none"> ■ West Coast Solar Market Trends in 2016: Latest Business Opportunities & Growth Drivers ■ Beyond the ITC: Challenges and Opportunities for the U.S. Solar Market ■ Innovative Approaches to Project Finance: Maximizing Opportunities in Solar PV Financing ■ U.S. Energy Storage Market Prospects: Latest Industry Developments & Profitable Business Models ■ Technological Advancements to Meet Solar Market Trends
	

MOSCONE WEST, LEVEL 2, ALCOVE 2

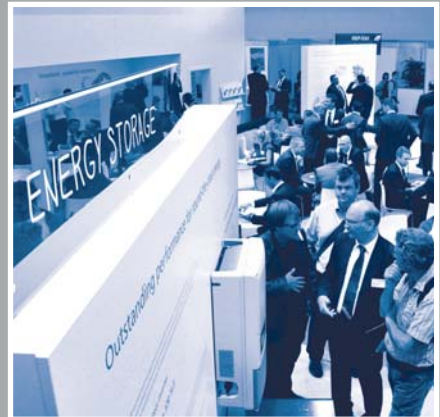
Driven by innovations – the energy storage market is rapidly growing! Stay tuned and gain first hand insights from companies working in the frontline of this exciting industry!

THURSDAY, JULY 14, 2016	
ENERGY STORAGE EXHIBITOR PRESENTATIONS	
10:30am	Simplified Solar-Plus-Storage with the Pika Energy Island Chip Means, Director of Sales Development, Pika Energy, Inc., U.S.
11:00am	Integrating Renewables into the Grid Using High-Energy Storage Systems Scott Pearson, Chief Executive Officer, Aquion Energy, U.S.
11:30am	Real-Time, Least-Cost Synchronization of all Energy Source from DG, Hybrid Storage & Grid Dan Nordloh, Executive Vice President, Dan EnSync, U.S., U.S.
12:00pm	EXERON Mini Grid – The Fastest and Easiest Way to Provide off-grid electricity + Storage in Rural or Bad-grid Areas Nikolay Gotsev, Senior Sales Manager, International Power Supply AD, Bulgaria
12:30pm	The Inner Workings and Application of the All-Iron Flow Battery Craig Evans, CEO and Co-founder, ESS Inc., U.S.
1:00pm	GS Battery's 5500 CYCLE Carbon Enhanced Lead-Acid Battery Eric Gallant, Director Business Development, GS BATTERY (U.S.A.) INC., U.S.
1:30pm	Gildemeister Energy Storage: Product Offering for Vanadium Redox Flow Energy Storage Systems Matthew Clarke (PhD), Energy Storage Specialist, GILDEMEISTER energy storage GmbH, Austria
2:00pm	Managing Safety of Lithium Ion Batteries as Energy Density Increases Kunal Falpher, Director, Business Development, ElectroVaya, Canada



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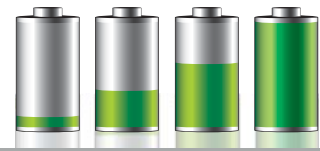
The United States is set to be the largest energy storage market worldwide, and is at the center of storage technology innovation and policy development. Our goal is to help companies distribute technologies and business models, and help foster the growth of the storage market by connecting leaders within the storage industry. Commercialized storage solutions are key to ensuring a sustainable energy future powered by renewable energy. As more solar power comes online, storage technologies play a major role in grid stabilization, electric transportation, demand management and beyond. **Energy storage and solar – a perfect match!** Visit our ees exhibitors and listen to interesting lectures on the ees stage.

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