



**SOLAR+**  
POWER MANAGEMENT  
A GLOBAL BUSINESS JOURNAL

**MEDIAPACK**  
**2022**



# overview

GLOBAL ENERGY REQUIREMENTS continue to increase; a significant portion of these needs is now being met by renewable energy; solar LCOE is now typically at or below costs of centralized generation. A majority of renewable energy comes from photovoltaic (PV) sources, followed by wind, hydroelectric, geothermal and biomass. Despite 2020 being the 'Year of the Pandemic,' substantial gains have been made in the transition away from legacy, fossil fueled generation on the way to a net neutral future.

For a substantial portion of 2020, large numbers of workers employed in centralized offices found themselves working from home. This dynamic and potentially long-term shift in power utilization created challenges for grid operators; successfully coping with this shift was enabled in part by a strategy already being put into place to meet greenhouse gas (GHG) reduction goals: decentralization. Even in the face of extended lock-downs, decentralized power grew in 2020 as did the increasingly common use of energy storage for load-leveling and grid frequency stabilization.

PV's growth in 2020 continued despite pandemic related commercial obstacles. Supply chain challenges slowed PV panel manufacturing and distribution, but many markets saw expansion and growth regardless inhibiting factors. In the United States, a fifth of its national energy budget was met by renewables according to September 2020 reports.

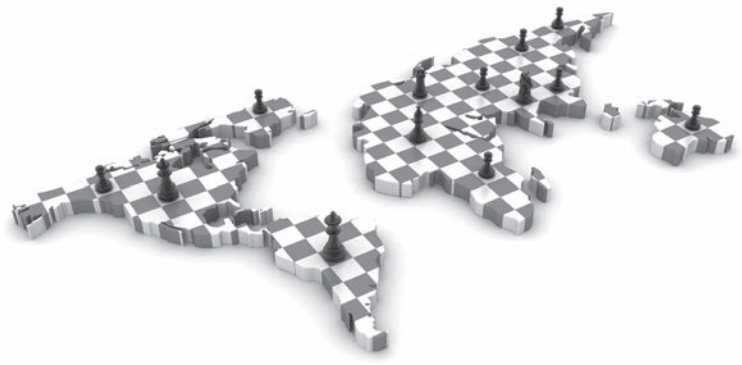
Even amidst the pandemic that began there, China increased its energy storage capacity by more than 150 percent. Efficiency improvements for PV panels and inverters along with highly efficient, lower-cost energy storage also spurred PV growth.

In a technology-driven sector, it is no surprise that even during a pandemic, research collaboration and development continued to drive solar and energy storage growth, which is expected to continue in 2022. From improving the efficiency of CIGS cells, to greater stability and efficiency in lithium storage batteries, to strides made to improve perovskite technology in tandem PV cells, researchers across the globe are making solar generation and energy storage more efficient, affordable, and longer-lasting.

Navigating the complex world of photovoltaic energy is at the heart of everything we do on the Solar + Power Management platform. Whether assessing capacity, gauging market leadership or envisioning the impact of new technology, we report on issues that affect the global solar supply chain. Manufacturers, researchers, designers, consumers and incumbent electric utilities can all better understand solar power's present and future role in the global energy economy through the Solar + Power Management platform.



# readership breakdown



## Readership Profile

Procurement Managers	22%
CEOs, COOs, CTOs,	
CFOs, MDs	20%
Sales and Marketing Directors	18%
Senior Factory Managers	17%
PhD / Research Fellows	10%
Government Groups	5%
Consultants	4%
Engineering Executives	4%

## Business Sector

Silicon, wafer, cell and module manufacturers	9%
Thin film cell and module manufacturers	8%
System integrators Installers and distributors	16%
Manufacturers of PV plant (EPC + O&M)	11%
PV inverter manufacturers	6%
Material suppliers	6%
Financial institutions	9%
Brokers & dealers	7%
Cable and connection manufacturers	4%
Government bodies	6%
Consortiums for investments	5%
Energy Utilities	5%
Universities, R&D	2%
Training institutions	2%
Wholesalers and retailers	4%

## USA

United States	11269
Canada	2419
Brazil	359
Argentina	324
Chile	341
Columbia	107
Venezuela	67
Total	14886

## Europe

Germany	3096
Italy	2154
Spain	1539
France	1336
Great Britain	1427
Netherlands	406
Belgium	388
Turkey	560
Switzerland	254
Norway	231
Sweden	211
Austria	135
Poland	87
Greece	129
Finland	91
Portugal	89
Slovakia	64
Ireland	34
Czech Rep	51
Denmark	71
Romania	134
Ukraine	42
Hungary	51
Estonia	36
Croatia	23
Total	12639

## Africa

South Africa	550
Mauritius	84
Egypt	78
Algeria	69
Tunisia	56
Morocco	134
Sudan	27
Senegal	33
Gabon	32
Uganda	31
Niger	22
Saint Helena	16
Seychelles	17
Total	1129

## Asia & Middle East

China	3134
India	2987
Japan	1412
Taiwan	824
S. Korea	789
Russia	565
Singapore	266
Saudi Arabia	365
Hong Kong	82
Malaysia	132
Israel	144
Thailand	127
Qatar	181
UAE	289
Philippines	64
Indonesia	37
Vietnam	21
Pakistan	32
Jordan	56
Lebanon	10
Bangladesh	30
Sri Lanka	32
Total	11539

## Australia & Oceania

Australia	1626
New Zealand	259
Guam	17
New Caledonia	10
Total	1912

## Breakdown by Continent

America	14886
Europe	12639
Asia	11539
Australia /Oceania	1912
Africa	1129
Total	42105



# corporate partnership program

## CORPORATE PARTNERSHIP PROGRAM 1

Promoting your products or your brand through a Corporate Partnership Program in is an economical way to generate interest and drive prospects. Your message will reach over 40,000 professionals worldwide through 2 different mediums of website and newsletter which creates maximum visibility.

### WHAT WILL YOU GET?

- One sponsored newsletter
- Sponsors message (up to 150 words)  
426 x 90 banner displayed at the top (As an additional service, we can create the banner)
- Website: A button banner 160 x 60 pixels for 12 months plus sponsor logo: jpg or .gif; max. file size: 15k click-thru URL).
- All Corporate Partners are included in online buyers guide

Price: \$1,710 €1,950

## CORPORATE PARTNERSHIP PROGRAM 2

Corporate Partnership 2 will include all Program 1 benefits PLUS the following:

- Two custom e-blasts per year - one per quarter
- 1 x Vendor View Feature which includes 600 words and a photograph of product or program
- 633 X 187mm banner posted within article page of the website on a non-rotation basis for 6 months

Price: \$4200 €3865

## CORPORATE PARTNERSHIP PROGRAM 3

Corporate Partnership Program 3 will include all of Program 1 benefits PLUS the following:

- Two custom e-blasts per year - one per quarter
- One banner - 426 x 90 in news section for 12 months
- 2 x Vendor View Feature (1,000 to 1,200 words) and several photos of product or program posted online <https://solarpowermanagement.net/news/silicon-vendor>

Price: \$6200 €5705



# Marketing & Communications program

Our message will reach over 40,000 professionals worldwide through 2 different mediums of website and newsletter which creates maximum visibility.

## What is included?

- One sponsored newsletter which includes your message (up to 150 words) and 468 x 60 static banner  
(As an additional service, we can create the banner)
- Website: A button banner 160 x 60 pixels for 12 months (jpg or .gif; max. file size: 15k click-thru URL)
- All Partners are included in online buyer's guide
- All press releases added to website within 48 hours with image, logo url plus contact details
- That press release will be included in the weekly newsletter which goes out to 40,000
- A company Q&A feature included online under features in a month to be agreed. Editorial assistance included.
- 633 X 187mm banner posted within article page of the website on a non-rotation basis for 6 months

Price: US\$ 3500 / €3000





# websitestatistics

March – September 2021

● Sessions	275,899
● Users	144,298
● Page views	522,832
● Pages per session	3.5
● Ave session duration	4 mins

## Geographical breakdown



USA 36.10%



Asia 26.70%



Europe 34.20%



Other 3.00%

100% Global Coverage





**Leaderboard Banner**  
(1484 x 122 Site wide)  
This is the most prominent position available

**Home Page MPU**  
300 x 600

**Standard News Banner**  
426 x 90

**Video**  
340 x 170  
Bring your company and products to life via sight, sound, and motion

**Corporate Partnership include:**

- 12 months of promotion on the CS website.
- Logo will be hyperlinked.
- Logo on weekly e-news alerts and in 8 issues of CS.
- Sponsorship of one e-news alerts.

**Floor Banner**  
1484 x 122  
Always present in the browser window, the Floor Banner draws users' attention to the same place, regardless of how they interact with the page.  
Floor Banner runs site wide.

Banner	Size	Price
Leader Board	1484 x 122	€1800 / \$2135
Standard News	426 x 90	€1100 / \$1400
Home Page MPU	300 x 600	€1400 / \$1670
Skyscraper	215 x 530	€1100 / \$1400
Video	340 x 170	€1320 / \$1760
Floating Banner	400 x 300	P.O.A.
Floor Banner	1484 x 122	€1800 / \$2135

- Ask us about a Peel Ad  
A peel ad appears when the right hand corner of the page is clicked. The advertising is visible the peel allows for a fuller message to be displayed
- Ask us about a Floating Banner  
Floating Banner appears when a user enters the website for the first time by floatin being displayed in the middle of the screen. It then allows users to either click through or it disappears after 10 seconds.

\* All rates quoted are per month

# newsletterrates

View this email in your browser



## Solar + Power Management News - 5th October

[Sunworks To Complete 521 KW Solar And Battery Installation For Temple](#)

Sunworks, a provider of solar power solutions for agriculture, commercial, industrial (ACI) and residential markets has announced a new, 521 kW solar and battery...

[SMA Introduces Newest Sunny Central Inverter](#)

SMA is taking orders for its class-leading Sunny Central 2750-EV-US inverter. With 10 percent more power than previous models, the Sunny Central 2750-EV-US is SMA's...

[Global Renewables Investments Signs Contracts In Iran For Solar Projects](#)

During the recent state visit by the Dutch government to Iran, in the presence of the Iranian Minister of Energy, Mr. Chitchian, and the Dutch Minister of Infrastructure...

[EPFL Achieves Record Stability For Perovskite Solar Cells](#)

EPFL scientists have greatly improved the operational stability of perovskite solar cells by introducing cuprous thiocyanate protected by a thin layer of reduced...

[Solar-Tectic Receives Patent For Novel III-V Tandem Cell](#)

Solar-Tectic LLC has patented a method of making III-V thin-film tandem solar cells with high performance. The patent, US 15/205,316 titled 'Method of Growing...



[Sunworks Has Been Awarded New 8.5 MW Solar Power Project](#)

Sunworks a provider of solar power solutions for agriculture, commercial, industrial (ACI) and residential markets has announced it has been awarded a new 8.5 megawatt...

[Solar-Tectic Receives Patent For III-V Thin-Film Tandem Solar Cell Technology](#)

Solar-Tectic LLC has announced that a patent application for a method of making III-V thin-film tandem solar cells with high performance has been allowed by the...

[BSR Will Manage 48 Solar Farms After NextEnergy Deal](#)

BSR Group has sold four solar parks to NextEnergy Solar Fund and will now manage them within its 465MW portfolio of UK solar generation, the company announced today...

[TESVOLT Opts For Porsche Battery Expert](#)

On 1 October 2017, Dr Victor Schäfer will take up his post as Vice President - Research & Development at the battery storage system manufacturer TESVOLT...

[Anesco Opens Subsidy Free Solar Farm With Battery Storage](#)

Renewable energy developer Anesco has officially opened a colocated solar and battery storage plant in Bedfordshire. Anesco's Clayhill solar farm and energy storage...

### Solar + Power Management magazine



Latest issue

Subscribe

If you'd like to be included in an upcoming newsletter contact:  
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T: 00 44 1923 690 200 E: [jackie.cannon@angelbc.com](mailto:jackie.cannon@angelbc.com)

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United Kingdom

## Banner

(468 x 60 pixels)

Price: €750 / \$ 1000 per week

Price: €2100 / \$ 2800 per month  
(4 mailings)

(200 words)

Price: €750 / \$ 1000 per mailing

Price: €2200 / \$ 3000 per month  
(4 mailings)

## Total Distribution: 42105 Breakdown of Distribution by Continent

Continent	Copies	% of total copies
North America	14886	35.3%
Europe	12369	30.1%
Asia/Middle East	11539	27.4%
Australia / Oceania	1912	4.6%
Africa	1129	2.6%



# HTMLmailing

- Are you launching a new product or attending a show?
- Would you like your company, products or services to reach 40,000+ industry professionals?

If the answer is yes, then our special HTML custom email shots are for you. This service will allow you to send an email shot, branded within your corporate style to our database.

This will give your company massive exposure to your target market. You can create the newsletter and we send it out, alternatively you can use our in-house multimedia team to create the HTML/custom mailer for you.

Price: (with mailer supplied): \$3200 / €2600

Price: (with Angel designing): \$3600 / €2850

Examples of previous mailers.

**GoIndustry DoveBid Private Treaty - Available For Immediate Purchase**

Preview 6456 - Follow us on Twitter - Advanced search

By Order of SolarWorld - assets surplus to requirement due to modernisation and updating of SolarWorld internal technical changes of their production processes

**FOR SALE BY PRIVATE TREATY - AS A WHOLE OR INDIVIDUAL LOTS**

An excellent range of Wafer Manufacturing Equipment

Featuring:

- Located Freiburg and Amstutz, Germany
  - Meyer Burger DS-271 Wire Slicing Saws - Qty 28 (2010/2011)
  - HCT 500SD & 500SD-B Wire Slicing Saws - Qty 38 (up to 2008)
  - Meyer Burger DS-262 Wire Slicing Saws - Qty 15 (up to 2002)
  - Kaden & Dierling TJ 500T Slicing Saws - Qty 2 (2000 & 2002)
  - Meyer Burger BS-430 Band Saws - Qty 12 (up to 2010)
  - Arnold Surface and Bevel Grinders - Qty 7 (up to 2011)
  - Arnold Cutting and Squaring Saws - Qty 10
  - ACI Wafer Separating Lines - Qty 2 (2009)
  - Langhammer Mold Caster (2008)
  - Lasen ALPMA-1500 Hydraulic Universal Press (2009)
- Located Oregon and California, USA
  - HCT 500SD-B Wire Slicing Saws - Qty 15 (2008/2009)
  - Advanced Energy 4 ea. HF Generators - Qty 8
  - Master ICD LAM Vacuum Laminator, Reis Robotics Twin Laser Cell
  - Komax X-3400 Stripper, Sinton PCT 400 Flash Tester
  - Kuka KR 300-2 (2009) and Fanuc R 430 and M 16 G-Axis Robots
  - Jones & Redmann Water Boat Slab Robot Heads - Qty 8
  - Polar DHM 102 100HP 1670 KVA Stand By Generator Set (2008)
  - Kelco Bead Blast cabinet, Alkuta Steam Pressure Cleaners
  - Kobelco KXW AC/DC Air Compressor

Viewing: By appointment only

Find out more >

LOT LISTING WILL BE UPLOADED ON 5TH AUGUST 2015

Do you have surplus equipment to sell?  
Click here: <https://www.liquidatyservices.com/capital-assets-services>

[www.go-dove.com](http://www.go-dove.com)

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THINGS IS EVERYTHING. HEAR INDUSTRY INSIGHTS FIRST AT NORTH AMERICA'S MOST-ATTENDED SOLAR SHOW.

If you cannot read this email correctly, please click here.

**Register Now!** and stay current on the latest trends and innovations shaping the solar industry!

**JULY 13-16: HEAR IT HERE FIRST!**

**Insightful Conference - Innovative Exhibition.**  
The sky's the limit for the North American - and California - solar market: a new record-breaking number of an expected 8.5 GW in 2015 and the tremendous increase in solar jobs to 174,000 employees nationwide speaks to the growth of the industry. Learn the latest in the fields of PV, energy storage and solar heating/cooling from more than 200 distinguished speakers at Intersolar's top-notch Conference and from 500 companies at the exhibition grounds next door. Be in the center of it all - be at Intersolar!

**INTER SOLAR PRESENTS: OPENING KEYNOTE LINEUP**  
The opening ceremony of the Intersolar North America Conference 2015 will feature a keynote presentation by Tesla's co-founder and CEO JB Strabel on the role of energy storage for EV's and the Grid. Plus, US west and east coast policy updates by CALSRIA's Bernadette Del Chiaro and NY State Senator Kevin Parker, and global perspectives from Conference Chairman Prof. Dr. Eicke Weber on the solar and energy storage markets.

**Monday July 13, 5:30pm**  
→ Detailed Information

**COUNTLESS CONFERENCE HIGHLIGHTS**  
Expect a world-class program with 47 conference sessions (1.5 hours ea.) to cover the latest innovations in PV, energy storage and solar heating & cooling. 200+ highly respected international industry and financial experts, researchers, policy analysts and visionaries will shed light on the dynamic market and technology landscape with in-depth analysis of the current solar and energy storage industry. The three-day conference program can be booked in packages - per tailored topic packages or day tickets.

→ View Sessions and Packages

**TOP EVENTS LEADING EXHIBITION PROGRAM**  
July 14-16, 2015  
Exhibition: July 14-16, 2015  
Conference: July 13-15, 2015

**July 14-15, 2015**  
Moscone West, San Francisco  
450 solar exhibitors (exp.)  
50+ new exhibitors (exp.)  
35,000 visitors (exp.)

**PROGRAM REGISTRATION**  
July 13-15, 2015  
InterContinental Hotel, San Francisco  
200W speakers  
1,500 conference attendees

**PROGRAM SCHEDULE**  
CONFERENCE / EXHIBITION / DISCUSSIONS  
SOLAR GRID INTERNATIONAL APP

**SAVE THE DATE!**  
SAVE THE DATE!

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"COMPANY INFO"

Ross and Kirk Dove, Managing Partners

**HERITAGE GLOBAL PARTNERS**  
ASSET MANAGEMENT & CUSTOMER SERVICE

**GLOBAL ONLINE AUCTION**  
September 8 & 9, 2015

**SOLARIA**

Surplus Assets to the Ongoing Operations of Solaria Corporation - A Leading Designer, Developer and Manufacturer of Industry-Leading Silicon PV Products

**Starting:** September 8, 2015 - 3:00 am PDT  
**Ending:** September 9, 2015 - 4:00 am PDT  
**Location:** 330 Hatch Dr. Foster City, CA 94404

**One day preview:** September 7th, 2015

- 18% Buyer's Premium applies to all lots
- Please call auctioneer with questions

[Click to View Assets and Register](#)

**Contact and Registration:**  
David Barkoff  
650.759.2242  
DBarkoff@hgnc.com

**KEY ASSETS:**

- Glass Mapper**  
Contents of 1 oversized pallet. Pallet# 172. Pallet Dim 1: 137X125X82. HTW 2110802. Asset Located in Newark, CA.
- Disc DFD 6340 Dicing Saw**  
DFD6340 Fully Automatic Wafer Dicing Saw. Consisting of: Single chuck, Dual spindles, 4 blades gang spindle, H2O cleaning system (nozzle atomizer), Temp control unit for cutting/cleaning H2O, Surfactant tank w/ pump, Particulate filtration unit, Coin stack loading/unloading, and Vacuum unit. HTW 2110800. Asset Located in Newark, CA.
- (R) PV Strip Soldering Tool Sets**  
Dim 1: 72X47X43. Dim 2: 72X47X43. Dim 3: 72X47X43. HTW 2110803. HTW 2110804 and HTW 2110805 Assets Located in Newark, CA.
- Stringer Machine**  
415 VAC, 100 AMP, 100 KA, 3 phase, 50/60Hz. Mfg date 2011. Contents of 4 pallets. Pallet# 0076, 0111, 0125, 0126. Pallet Dim 1: 173X81X99. Dim 2: 125X41X74. Dim 3: 70X56X32. Dim 4: 93X45X60. HTW 2110806. Asset Located in Newark, CA.
- Stringer Machine**  
415 VAC, 100 AMP, 100 KA, 3 phase, 50/60Hz. Mfg date 2011. Contents of 4 pallets. Pallet# 0079, 0115, 0135, 0126. Pallet Dim 1: 173X81X99. Dim 2: 125X41X74. Dim 3: 70X56X32. Dim 4: 93X45X60. HTW 2110807. Asset Located in Newark, CA.
- Stringer Machine**  
415 VAC, 100 AMP, 100 KA, 3 phase, 50/60Hz. Mfg date 2011. Contents of 4 pallets. Pallet# 0079, 0115, 0135, 0126. Pallet Dim 1: 173X81X99. Dim 2: 125X41X74. Dim 3: 70X56X32. Dim 4: 93X45X60. HTW 2110808. Asset Located in Newark, CA.
- Stringer Machine**  
415 VAC, 100 AMP, 100 KA, 3 phase, 50/60Hz. Mfg date 2011. Contents of 4 pallets. Pallet# 0079, 0115, 0135, 0126. Pallet Dim 1: 173X81X99. Dim 2: 125X41X74. Dim 3: 70X56X32. Dim 4: 93X45X60. HTW 2110809. Asset Located in Newark, CA.
- RVA Caster**  
Contents of 1 oversized pallet. Pallet# 01245. Pallet Dim 1: 159X99X65. HTW 2110810. Asset Located in Newark, CA.

**Upcoming Auctions:**

**Solar** **Pfizer** **FORMER ASSETS OF** **AMERICAN ELECTRIC POWER**

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# Solar+Power<sup>MANAGEMENT</sup>

A GLOBAL BUSINESS JOURNAL

## ONLINE ROUNDTABLE



- Based around a hot topic for your company, this 60-minute recorded, moderated zoom roundtable would be a platform for debate and discussion
- Moderated by an editor, this could also include 3 speakers
- Questions would be prepared and shared in advance
- There would be an opportunity to view and make corrections

This event would be publicised for 8 weeks through all our mediums including:

- A banner on the Solar + Power magazine homepage for 8 weeks
- 4x weekly dedicated HTMLs
- 4x news pieces which would also appear on the weekly digests
- Promoted through our social media platforms for 8 weeks (pre and post event)
- Available as an on-demand asset through all mediums
- All registered attendees' details would be made available to you

**Cost: £ POA**

Contact: Jackie Cannon  
[jackie.cannon@angelbc.com](mailto:jackie.cannon@angelbc.com)



# aboutus



## BUSINESS COMMUNICATIONS

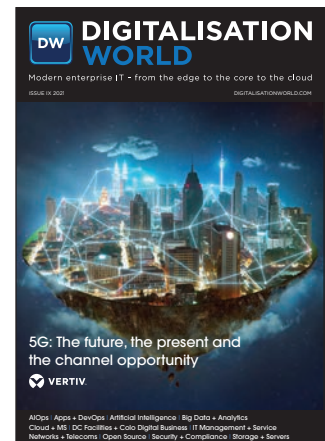
Angel Business Communications was established in 1981 and is a leading business-to-business (B2B) media, conference, awards and exhibition organiser. Angel Online is the multimedia division of Angel Business Communications Ltd and are responsible for all things digital. Our goal is to bring product /solution provider and buyer communities together using all the varied platforms available to a modern publishing business.

Serving a wide range of markets worldwide, our creative and highly skilled teams provide quality service to many hi-tech industries which includes semiconductor, solar PV, power electronics, IT, data centres, Cloud, virtualization and storage networking.

With UK operations in Greater London and the West Midlands, we pride ourselves on customer service and business retention, with a forward-thinking approach to marketing solutions utilizing leading-edge platforms. These include everything from mobile apps, online, digital and traditional print media.

We look forward to working with you in 2022

## our portfolio





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