



Greetings!

In the past month, I have had the opportunity to speak with SunSpec members and partners from Australia, Austria, Canada, China, Germany, India, Mexico, Netherlands, Italy, Spain, the UK, and many U.S. states. In each conversation, it has been reinforced to me that we are all learning the importance of independence (social distancing), interdependence based on communication (daily web chats and online meetings), and resilience ("the capacity to recover quickly from difficulties; toughness"). These lessons will prove useful as we continue to build the DER industry this year and beyond.

The **California Public Utility Commission recently pushed back the compliance date for CA Rule 21 Phase 2 to June 22, 2020**, citing the Coronavirus pandemic. While unfortunate for those companies that were ready to ship on the original compliance date (including 14 companies that achieved SunSpec Certified status for their products), the delay is allowing more companies to finish testing and achieve certification. [Contact us](#) to get your product into the certification queue.

The **SunSpec Rapid Shutdown** standard is another program that is proving its durability with more companies achieving SunSpec Certified status and with the SunSpec Rapid Shutdown work group doing its homework to solidify the standard. We will have a lot more to say about this program in the coming weeks and months as we ramp up the marketing volume. Stay tuned for details.

With the passage of the **IEEE 1547-2018 standard** and subsequent publication of the IEEE 1547.1 test procedure this summer, all 50 U.S. states will soon be installing smart inverters with **mandated SunSpec Modbus** or IEEE 2030.5 interfaces. To prepare for this eventuality, SunSpec is now developing training for SunSpec Modbus 2.0 and an upgraded toolset for software developers. If you want a sneak preview, just ask us or join the [SunSpec Modbus work group](#) to learn all the details.

One final note on resilience: when future ecological or health crises come, Distributed Energy Resources, powered by smart inverters and standard communication interfaces, will serve as an essential solution to local power

needs. Standards-based microgrids are on the way. If you want to drive this revolution faster, we encourage you to [join a SunSpec work group](#) and make it happen!

Onward,



Tom Tansy
Chairman
SunSpec Alliance



CA Rule 21 Compliance Deadline Extension Cites COVID-19 Pandemic

On March 20, 2020 the California Public Utilities Commission issued an extension of the CA Rule 21 compliance deadline, citing conditions caused by the COVID-19 pandemic.

The extension pushes the deadline to June 22, 2020, giving Members of the Alliance additional time to certify products. To learn more about the CA Rule 21 deadline extension and The SunSpec IEEE 2030.5 / CSIP certification, visit our website [here](#).



OpenEGrid Announces SunSpec 2030.5/CSIP Certification for DER Aggregator Solutions

Congratulations to [OpenEGrid](#) upon reaching yet another milestone by achieving SunSpec Certified status for their IEEE 2030.5 Aggregator solution. OpenEGrid was the first in the industry to receive SunSpec and UL certification for their IEEE 2030.5 Gateway products in July 2019.

According to Vijay Israni, CEO of OpenEGrid: "We started out in 2016 as a developer of design, estimation, and control systems for energy storage systems and microgrids. It was in October 2018 that we realized the need which the renewable energy industry had for DR and DER control software and chose to become a leader in this space."

"OpenEGrid is acutely aware that existing and emerging energy software applications need to evolve and move forward together to create a standardized, viable, sustainable, and replicable eco-system which will eventually make possible the vision of microgrids and eventually "Smart Grids," Israni concluded.

SMA Announces SunSpec 2030.5/CSIP Certification for Their DER Aggregator Client

Kudos are well deserved by [SMA Solar Technology](#), a SunSpec Alliance founder and frequent contributor to SunSpec specifications. SMA previously achieved SunSpec Certified status with their SunSpec Rapid Shutdown and SunSpec Modbus compliant products, and now has added the SMA IEEE 2030.5 Aggregator cloud solution to the mix.

"SMA pioneered the development of the smart inverter concept," said Brad Dore, Director of Marketing for SMA America. "An important aspect of that concept is an open standard communication interface that enables system owners and grid operators to extract an array of energy services from each DER system, thereby maximizing the potential value of these systems," Dore added.



The SunSpec Rapid Shutdown community is building momentum as five companies are now shipping SunSpec Certified products and others such as Texas Instruments offer chipsets supporting the SunSpec Rapid Shutdown technology.



Ginlong Solis Announces SunSpec Rapid Shutdown Certification with Anticipated New Product Release

[Ginlong Solis](#), a trusted business partner and a strong advocate for SunSpec Alliance standards, is pleased to announce that their smart inverter product line has been SunSpec Certified to the SunSpec Rapid Shutdown standard. Ginlong previously had their smart inverter products SunSpec Certified to the SunSpec Modbus standard and is an active participant in SunSpec Work Groups.

According to Susanna Huang, General Manager of Ginlong Solis USA, "Ginlong admires all the great work that SunSpec has contributed to our solar industry. We are honored to be SunSpec's technology partner and look forward

to continuing to help build the SunSpec ecosystem."

Click below to learn more about Ginlong Solis' SunSpec Certified products and other certified products in the SunSpec ecosystem.



SunSpec Cyberguardians Webinar Recap

Thank you to all who attended the Introducing SunSpec Cyberguardians webinar. We were grateful to have had nearly 260 industry leaders, veteran job seekers, and media writers attend the event. For those of you who missed the event, it was recorded live and released on our YouTube channel!



Celebrating the Official Cyberguardians Emblem!

Hurray! SunSpec is now offering an official Cyberguardians Pin to those who complete the course or become a member of the Advisory Board. To learn more about participating in the Cyberguardians program or joining the Advisory Board, please contact us [here](#)!



NEW MEMBERS

Welcome New Members of the SunSpec Alliance!

The SunSpec ecosystem continues to grow with five new members this month!



Growatt is a new energy enterprise dedicated to the R&D and manufacturing of PV inverters including on-grid, off-grid and storage inverters, and user side smart energy management solutions as well. Growatt inverters are extensively used worldwide for applications in residential, commercial, PV poverty alleviation, utility-scale scenarios as well as other storage power station projects.



Sunfolding was founded in 2012 with headquarters in San Francisco, CA. Sunfolding designs, manufactures and sells balance of system products that offer cost and performance breakthroughs to stakeholders across the solar industry. Currently, Sunfolding's main product offering is an advanced solar tracker, the Sunfolding T29 horizontal single-axis tracker.



The University of Delaware is a major research university with extensive graduate programs that is also dedicated to outstanding undergraduate and professional education. University faculty are committed to the intellectual, cultural and ethical development of students as citizens, scholars and professionals.

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Guangzhou Sanjing Electric Co., LTD (hereinafter referred to as SAJ) is a state-level high-tech enterprise specially focusing on motor drive and control technology, renewable energy conversion, transmission



Sonnen designs the smartest and safest residential battery systems to keep homes powered, day and night — even during power outages. With 50,000 cobalt-free batteries installed since 2010, Sonnen is a global

and storage solutions. SAJ is dedicated to establishing itself as a service provider of digital building energy management.

pioneer in energy storage technology. Each Sonnen system comes with an unbeatable warranty and seamlessly integrates with solar for cleaner, healthier living.

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NEW SUNSPEC CERTIFIED PRODUCTS

New SunSpec Certified Products

SUNSPEC 2030.5 CSIP CERTIFIED PRODUCTS

Certificate Number: CS-000001

Manufacturer: OpenEGrid

Profile: Client

Products: 2030.5 DER Client Gateway



Certificate Number: CS-000019

Manufacturer: SMA Solar Technology

Profile: Client

Products: SPOT Aggregator Client



SUNSPEC MODBUS CERTIFIED PRODUCTS

Certificate Number: SM000002

Manufacturer: Sungrow Power Supply Co., Ltd

Profile: Inverter

Products: Solar Inverter



Certificate Number: SM000003

Manufacturer: Hanwha Q Cells Co., Ltd

Profile: Inverter

Products: Q.HOME+ HYB-G1, Q.HOME+ AC-G1



SUNSPEC RAPID SHUTDOWN CERTIFIED PRODUCTS

Certificate Number: RS-000008

Manufacturer: Ginlong Solis



Profile: Inverter

Products: Module Level Rapid Shutdown System Transmitter

Learn
More



Upcoming SunSpec Work Groups

Attention SunSpec Members! Gain access to valuable information by joining a SunSpec Work Group. Upcoming Work Group Meetings include:

- [SunSpec Modbus - Thursday, April 2nd](#)
- [SunSpec Orange Button - Tuesday, April 7th](#)
- [SunSpec Blockchain - Tuesday, April 7th](#)
- [SunSpec IEEE Conformance Profiles - Wednesday, April 8th](#)
- [SunSpec Modbus - Thursday, April 9th](#)
- [SunSpec / Sandia DER Cybersecurity - Thursday, April 9th](#)
- [SunSpec Orange Button - Tuesday, April 14th](#)
- [SunSpec Modbus - Thursday, April 16th](#)
- [SunSpec Orange Button - Tuesday, April 21st](#)
- [SunSpec Blockchain - Tuesday, April 21st](#)

We are also running a special marketing Work Group for SunSpec Rapid Shutdown. If you are interested in participating, contact membership@sunspec.org.

Learn
More

If you are not a SunSpec Alliance member, [consider joining](#) and help us shape interoperability specifications for the DER industry!



Annual SunSpec Member Meeting

Please save the date of **September 14th & 15th, 2020** for the SunSpec Annual Members meeting in southern California.

Given the current conditions of the COVID-19 pandemic, we are adding a "virtual meeting" option for those who cannot attend in person. Stay tuned as we announce further details in the coming months.

Also, please be sure to [contact us](#) if you are interested in speaking.

