SunSpec Alliance Profile

- Global alliance of Distributed Energy Resource (DER) industry participants
- Driver of industry growth and efficiency via open communication and information standards
- Active programs for system- & device-level communication, financial & operational data exchange, and cybersecurity
SunSpec Is A National And State Standard

- U.S & Canada
  - SunSpec Modbus incorporated into IEEE 1547-2018
- Denmark
  - SunSpec Modbus incorporated into national grid code
- Poland
  - SunSpec Modbus incorporated into national grid code
- California
  - SunSpec Certification for IEEE 2030.5 incorporated into CA Rule 21
SunSpec Is A Leader In Energy Storage

- ESS physical modularity
- ESS electrical modularity
- DNP3 for devices
- MESA-ESS (control system)

MESA

- Network Configuration
- PCS/Inverters
- Power Meters
- Batteries/BMS

- Environmental
- Tracker
- Solar Module
- IEEE 2030.5/CSIP
SunSpec Energy Storage Communication Specs

MESA
ESS Specification

- Inverter/DER 700 Series Models
- Energy Storage 800 Series Models
- Energy Meter 200 Series Models
Supported Energy Storage Use Cases

**Generation**
- Wider Operating Range
- Dispatchable Solar/Wind
- Dispatchable Quick Start

**Storage**
- Voltage Support
- Regulation
- Fast Ramping
- Frequency Response
- Over Generation Mitigation
- Load Shift

**Demand Response**
- Peak Load Reduction
SunSpec 2020 Focus

Product Certification

Geographic/Sector Expansion

DER Education

Dev Community Development
Let’s Work Together

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