19 kWh energy storage battery installation

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CA, HI, PR customers: CEC listing, CA Rule 21 compliance, SGIP, HECO and PREPA certifications are expected in November 2022. These state and local specific requirements will need to be in place before a Sol-Ark 15K inverter can be permitted and pass inspection for interconnection with the grid.

IEEE 1547-2018 requires the local communications interface to remain available whenever the DER is operating. This indirectly creates a requirement for the IQ Gateway not to reboot during and following a low voltage ride through event. The IQ Gateway hardware was redesigned to meet this requirement so installers must only choose from the list of supported hardware and be running software versions 7.3.460 or later to be fully compliant.

Helpful Hint with Sol-Ark hybrid inverters: Unlike most string inverters - Sol-Ark hybrid inverter solution will not have a complete power loss for a series string of modules if one of the panels goes bad (stops producing) *** so as long the total voltage of the remaining panel meets or exceeds the min MPPT voltage range of 150VDC.

The HomeGrid Stack"d Series offers an ease-of-install, aesthetics, and performance that is unmatched in residential batteries. Each Stack is especially suitable for applications of high power, limited installation space, and restricted load-bearing and long cycle life.

The Stack?d Series has a built-in BMS battery management system, which can manage and monitor cell?s information including voltage, current and temperature. What?s more, the BMS can help extend the cycle life by balancing cells during charging and discharging.

Multiple battery stacks are allowed to be connected in parallel to expand capacity and power to meet the requirements of longer power supporting duration and higher power consumption.

RICHMOND, Calif., Sept. 20, 2022 /PRNewswire/ --Today SunPower (NASDAQ:SPWR), a leading residential solar technology and energy services provider, expanded its portfolio of energy storage products with the launch of a 19.5 kWh and 39 kWh SunVault.

These new battery configurations offer increased energy density and maximize space within the battery as compared to previous versions of SunVault, providing the ability to store more energy into a single box. For customers, this means they can purchase more energy storage for less money and fit it in less wall space, with the option to build a larger system as the home"s energy needs evolve. SunPower has also made design upgrades that can make SunVault faster and easier to install.

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"Every homeowner has unique energy storage needs -- some want the peace of mind that they can power essentials during a blackout like a refrigerator and WiFi, while others want the flexibility to also charge an EV or run their air conditioning," said Nate Coleman, Chief Products Officer at SunPower. "With these new storage sizes and higher power output through multiple inverters, SunVault"s modular configuration allows customers to get the storage size they need today with the reassurance that they can grow their system as their home energy requirements change."

As states across the nation set new records for electricity demand amid the summer"s heat waves, more homeowners face the threat of rolling blackouts and receiving texts from their electric grid to conserve energy. Homeowners can manage their SunVault(TM) energy storage with the mySunPower(R) app to see how much energy is available during peak-demand to reserve for an outage or lower energy costs by using stored energy. Further, all SunVault energy storage systems are backed by a 10-year warranty, regardless of how much the battery is charged and drained over time.

With this launch, SunVault is now available in five configurations: 13 kWh, 19.5 kWh, 26 kWh, 39 kWh and 52 kWh. Some of these options include multiple inverters. SunVault configurations with multiple inverters and storage capacity of 26 kWh and more have the potential to power the whole home, so customers don"t have to choose between comfort and essential loads during an outage1.

With the signing of the historic Inflation Reduction Act, homeowners may be even more incentivized to seek resiliency with battery solutions like SunVault. Beginning in 2023, customers may be eligible for a 30% tax credit for battery technology when purchasing battery storage, even if they already have solar.

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