



65 kWh energy storage battery installation

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MILWAUKEE, WI (March 04, 2024) -For homeowners looking for reliable, quiet, emission-free backup energy, Briggs & Stratton Energy Solutions is introducing its SimpliPHI(R) 6.6 Home Battery System. This innovative new battery is more powerful, more affordable, more versatile and more compact than other systems. The SimpliPHI 6.6 uses advanced lithium ferro phosphate (LFP) chemistry and can provide enough power to get a home through a "typical" outage.

With the average power outage in the U.S. lasting 5.5 hours¹, a one-battery SimpliPHI 6.6 system can meet the needs of many homeowners by delivering more than 10 hours of power at 50% backup load*. The SimpliPHI battery system can be used as an alternative to a standby generator, offering additional installation flexibility and versatility.

"We're breaking new ground with the SimpliPHI 6.6 battery and are continuing to innovate and help homeowners achieve energy resilience and independence," said Tom Rugg, SVP & President - Briggs & Stratton Energy Solutions. "We're also focused on affordability. The SimpliPHI 6.6 battery is 25% less expensive than our competitors, and that is before tax incentives."

The SimpliPHI 6.6 battery stack is extremely versatile and gives homeowners multiple installation options. It is outdoor rated so it can be installed indoors or outdoors with no additional cabinets required. The system can be ground- or wall-mounted inside a garage, shed or basement or outside on an exterior wall. The flexibility of using one, two or three batteries per stack means the system can fit into small spaces.

Aesthetically, the SimpliPHI 6.6 features a sleek design and is more compact and lighter than other systems. Each battery is 17.3" tall by 28.6" wide by 6.7" deep.

On the technology front, the SimpliPHI 6.6 uses LFP chemistry that's been proven to be safer and less prone to thermal runaway. In fact, SimpliPHI batteries have been used around the world for more than a decade in some of the harshest environments. In 2010, the U.S. Department of Defense used SimpliPHI batteries to deliver mission-critical power on Forward Operating Bases in Iraq and Afghanistan.

The LFP chemistry allows for 6,000+ cycles @ 80% DoD with an end-of-life capacity of 75%. An increased discharge rate of .7C to 1C delivers more storage capacity per hour. In addition, an expanded temperature range allows for full operating/discharging rate from -20 °C to 55 °C and full charging rate from -10 °C to 50 °C.

Tested and certified to the most stringent standards, the SimpliPHI 6.6 battery is UL 1642, UL 1973, UN 3480 and UN DOT 38.3 certified and has gone through UL 9540A fire safety testing. It recently secured its UL



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9540 Edition 3 certification as a standalone DC ESS.

The SimpliPHI 6.6 battery is compatible with the SimpliPHI(R) 6kW hybrid inverter, Sol-Ark(R) 8K, 12K and 15K inverters, as well as other leading lithium supporting inverters.

Configurations & Cost

The complete, one-battery Essential Backup Package, which includes a single SimpliPHI 6.6 battery, a battery controller, ground or wall base, SimpliPHI 6kW hybrid inverter and gateway, has an MSRP of approximately \$10,800 with installation and comes with a 10-year limited warranty. When the 30% federal Inflation Reduction Act tax credit is applied, the cost drops to approximately \$7,560 with installation.

The two-battery Managed Loads Package allows consumers to add additional appliances and delivers more than 14 hours of power at 75% backup load*. The complete two-battery 6.6 SimpliPHI system with a Sol-Ark(R) 12K inverter and installation is approximately \$15,400 and \$10,800 with the tax credit.

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