

Itochu Enex Announces Commencement of Sale of Residential Lithium-ion Electricity Storage System

Itochu Enex Co., Ltd. (headquartered in Minato-ku, Tokyo; Kenji Okada, CEO; hereinafter “Enex”) announced today that it has received supply of a residential lithium-ion electricity storage system from the sole selling agent ITOCHU Corporation (headquartered in Minato-ku, Tokyo; Masahiro Okafuji, President & CEO; hereinafter “ITOCHU”), and under an exclusive distribution agreement, it will commence sales of this 7.0 kilowatt-hour battery-capacity storage system, which was developed and commercialized by NF Corporation (headquartered in Yokohama-shi, Kanagawa Prefecture; Tsuneo Takahashi, President and Representative Director).

As a grid connected system that connects to a distribution board, the greatest feature of the electricity storage system is that, in the event of a power blackout, it can supply electricity as normal to all appliances in a house rather than a few specific appliances only. It can also be linked to a photovoltaic power generation system or a fuel cell (ENE-FARM). Savings to electricity bills can be expected by selling surplus electricity generated by photovoltaic power generation during the day and using electricity in the daytime that has been charged to the electricity storage system at nighttime when electricity rates are cheaper. Furthermore, a minimum power capacity, which users can freely set, can be maintained for times of emergency.

Through marketing and selling, Enex will be offering a “comfortable,” “affluent” and “secure” new lifestyle that this electricity storage system can bring to households throughout Japan.

Main features of the electricity storage system

1. Grid connected system that connects to a distribution board

Being a grid connected system that connects to a distribution board, the electricity storage system has the feature that, even in the event of a power blackout, it can supply electricity as normal to all appliances in a house rather than to certain predetermined appliances only. (The potential benefits, however, are subject to the details of the electricity plan entered into with the power company.) As this electricity storage system detects blackouts and supplies electricity to the household automatically, it eliminates the fuss of changing to different power sockets, switching switches or so forth.

2. Large capacity and long-term reliability

The electricity storage system has a large battery capacity of 7.0 kWh (rating capacity 6.6 kWh), capable of covering about 60% of one day's electricity consumption*, providing users with the security of being able to use electricity even during a power blackout. It is fitted with long-term reliable, long lifespan lithium batteries. These highly safe lithium-ion batteries made in Japan have a 10,000 charge-discharge cycle, providing expected use of over 10 years**.

* Reference value calculated based on average power consumption of 300 kWh per month

** When charged/discharged once daily at room temperature (23°C)

3. Can be linked to other equipment

The electricity storage system smartly and effectively utilizes energy by combining electricity created on the property using a photovoltaic power generation system, fuel cell (ENE-FARM) and the like, with electricity stored by this electricity storage system. It is capable of sustaining the power generation function of a photovoltaic power generation system even during blackouts, and it is able to charge the portion of electricity unused by the household to the storage battery. It can maintain the operation of a fuel cell (ENE-FARM) that would ordinarily stop during power blackouts, providing the user with the security of being able to create electricity and hot water even during power blackouts. Furthermore, the point that this electricity storage system can be linked to most photovoltaic power generation systems and some fuel cells (ENE-FARM) is one of its greatest features.

<Basic information>

Manufacturer: NF Corporation

Suggested retail price: ¥2,400,000 (excluding tax and construction costs)

Launch period: Sequentially commencing December

<Outline specifications>

Product number	LS066H	
Storage battery	Type	Lithium-ion electricity storage battery
	Battery capacity	7.0 kWh
	Rating capacity	6.6 kWh
Rated output power	Grid connected operation 3 kVA	
(Power conditioner output)	Autonomous operation 3 kVA	
Size	Approx. 1,110 mm (W) x approx. 965 mm (H) x approx. 430 mm (D)	
Weight	Approx. 250 kg	
Installation method	Stationary	
Installation location	Outdoors	

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