News Release

Sakuraenergy Co., LTD.

Sakuraenergy

www.sakuraenergy.jp

Sep. 17, 2019

Only 1m² of Space to Produce Home Electricity.

This is the Energy Innovation.

takayuki shutterstock.com

All-New Generation System PARASOLA for Renewable Energy Equipped with Motor Power Generator and Battery.

Sakuraenergy Co., Ltd. announced that it has developed an all-new generation system for renewable energies, "PARASOLA," equipped with a motor power generator/power storage battery package that supplies electricity around the clock.

By combining energy saving, creation and storage as well as efficiency optimization in one system, PARASOLA supplies more energy while consuming less energy than conventional power generating systems. "PARASOLA Residence" for home use is designed to provide a maximum 24kWh per day, enough to cover the electricity needed by the average household in Japan and most areas overseas. Equipped with high-efficiency photovoltaic cells, it occupies just one square meter of space. With a built-in battery, PARASOLA can provide electricity 24 hours day, 365 days a year. Introducing PARASOLA may not only help solve power shortages around the world but also create a new energy environment where electricity is available anytime, anywhere.

Having developed the PARASOLA prototype, Sakuraenergy is now promoting further product development while discussing business development opportunities and alliances at home and abroad. Sakuraenergy plans to globally market the product by the end of 2020.

CONTACT SAKURAENERGY Co., Ltd. [www.sakuraenergy.jp]

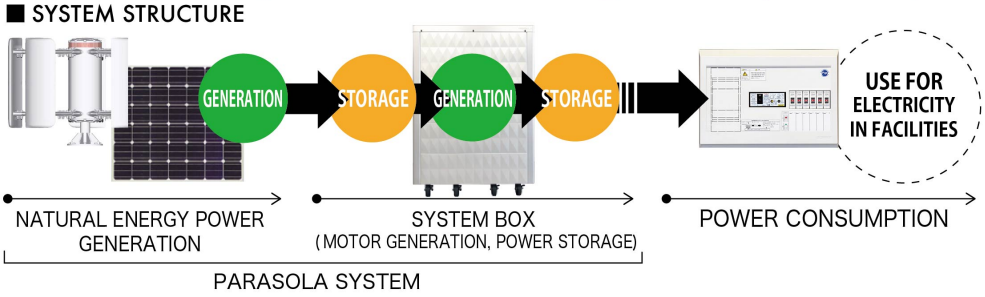
PRODUCT FEATURES PARASOLA

Main Features and Potentials of PARASOLA

Creating new energy environment and future with new technology invented in Japan.

① An all-new system designed to save, create and store energy simultaneously and effectively.

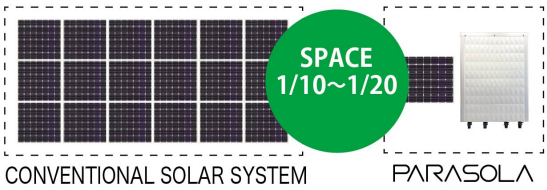
■ SYSTEM STRUCTURE



② Supplying almost the same amount of electricity as conventional solar systems, stably and unaffected by the weather, while occupying a space only 1/10 -1/20 of theirs.

PARASOLA does not require a large footprint. With its built-in battery, PARASOLA provides electricity 24 hours a day stably and unaffected by the weather.

▼COMPACT FOOTPRINT

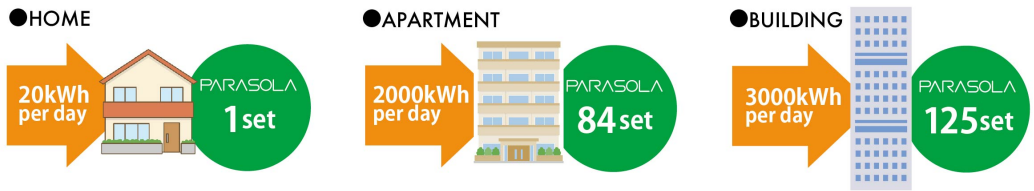


▼ 24H STABLE GENERATION in ALL WEATHERS

③ Rooftops, balconies, verandas, etc. Utilizing new locations for power generation.

PARASOLA, requiring a compact space, realizes power generation where it has not been managed or even thought of. For instance, the electricity for a 100-household apartment(*) is to be covered with 84 sets of PARASOLA.

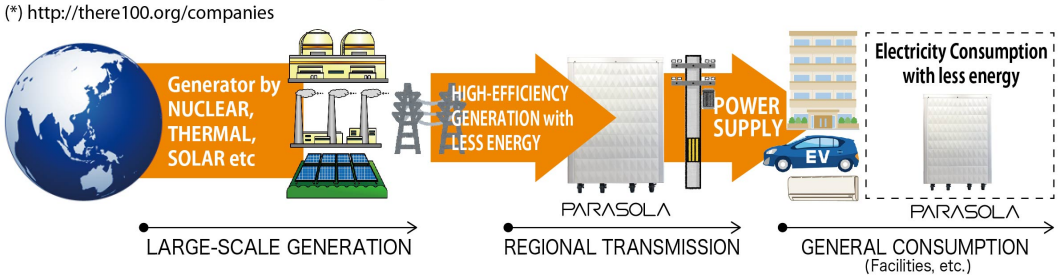
(*) on the assumption one household uses 20kWh a day.



④ Potentially realizing worldwide energy saving through applying PARASOLA technology and system to large-scale industrial generation systems and promoting "RE100" as well.

It is said about 50% of the whole electricity consumption in the world is for driving motors. From air conditioners, EVs to large-scale industrial generation systems, PARASOLA is potentially to realize worldwide energy saving through applying its technology and system as well as to promote "RE100," a 2014 global initiative committing influential businesses(*) to 100% renewable electricity.

(*) http://there100.org/companies



News Release

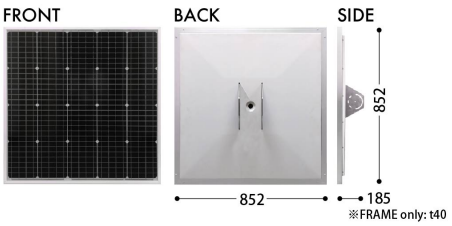
Sakuraenergy Co., LTD.

www.sakuraenergy.jp

Sep.13, 2019

SYSTEM BOX

SOLAR PANEL



■MAIN SPECS (SYSTEM BOX)

Motor Generator	DC48V / Max. Current: 50A / Max. Output: 2.4kW
Battery	Lithium-Ion LifeP04 / DC48V / 150A / Capacity: 7.2kWh
Charging Controller	MPPT / Input: 48V
Control Box	Driver Circuit / Capacitor / Overload Protection
Others	Start-up Switch / Emergency-stop Switch / Breaker
Exterior Material	Alminum / Stainless / PC (powder coating: IP63)
Size/Weight	H980 W757 D425 / 312kg (excluding casters)

■MAIN SPECS (SOLAR PANEL)

Pmax (W)	120
Vmp (V)	72.8
Imp (A)	1.64
Voc (V)	87.36
Isc (A)	1.76
Cell Efficiency	22.8
Module Efficiency	18.8
Size/Weight	H852・W852・D40／13.8kg

※PARASOLA Selling Price: Discretionary Price

※Designs, specifications above are as currently planned and may differ from actual ones.

Pawel kazmierczak shutterstock.com

CONTACT SAKURAENERGY Co., Ltd. [www.sakuraenergy.jp]