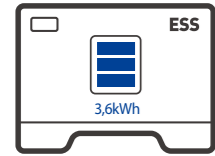


All-in-One 3.6  
\_Capacity 3,6 kWh

- VDE tested lithium-ion battery and inverter



\*Life cycle based on battery system(25°C)



Technical Specification

For United Kingdom

Technical Data		Description
DC Input (PV)	Max Power (kWp)	6,6 (3,3 × 2)
	Max Voltage (V)	550
	MPPT / Rated Voltage (V)	125~500 / 400 per String
	Min. / Initial Input Voltage	125 / 150 per String
	Max Input Current (A)	15 per String
	No. of MPP Tracker	2
	No. of DC inputs	2
	PV Module Connectors	MC4
AC Output	Power (kVA)	3,68 / 4,6 (Configurable)
	Nominal Voltage (Vac)	230
	Nominal Frequency (Hz)	50
	AC Output Current (A)	16 / 20 (Depending AC Power)
	Standby Losses (W)	25
	Feed-in / Connection Phase	1 / 1
EU Efficiency	PV to Grid (%)	95
Battery	Manufacturer	SAMSUNG SDI
	Technology	Lithium Ion (Lithium Manganese Oxide)
	Power (kW)	2
	Capacity/Usable Capacity(kWh)	3,6/3,24 (@DoD 90%)
Others	Dimension mm (B × W × H)	1.000 × 267 × 680
	Weight (kg)	95
	Operating Temperature (°C)	-10~40
	Humidity (%)	Max. 95 (non-condensing)
	IP Grade (IP)	21
	Certifications and Approvals	CE, IEC 62109-1 / 2, ER-G83 / 2, ER-G59 / 2
	Warranty (Years)	5 (Product) / 10 (Performance)
Energy Management System	Monitoring (Device / Remote)	Web, Mobile
	Software update	Via Internet

\* Data in this document is subject to change without notice



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Dealer Information Box

# ENERGY STORAGE SYSTEM for Homes

Store excess energy for the time you need it,  
with Samsung SDI's battery storage solution



futureconfident

valid from 08/2015

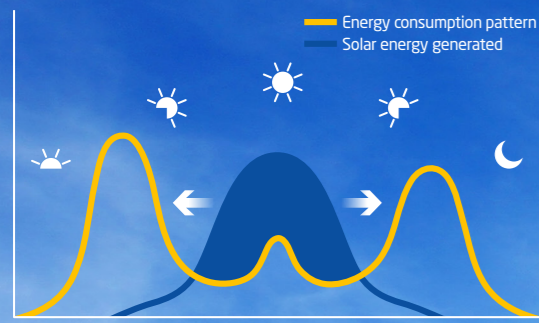
# Introducing the Samsung SDI All-in-One The Smart Battery Storage Solution

Traditionally solar energy could only be used during the day, and excess energy would be sold back into the national grid. Samsung SDI's energy storage system allows you to store the excess energy for the nighttime when needed. With energy bills ever increasing, self-consumption of this excess energy is the smart way to save money and reduce your carbon footprint.

Increased Solar Energy Self-consumption ↑  
Decreased Electricity Bill ↓



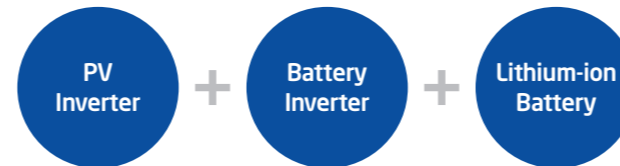
Energy Consumption Pattern



## A True "All-in-One" Solution

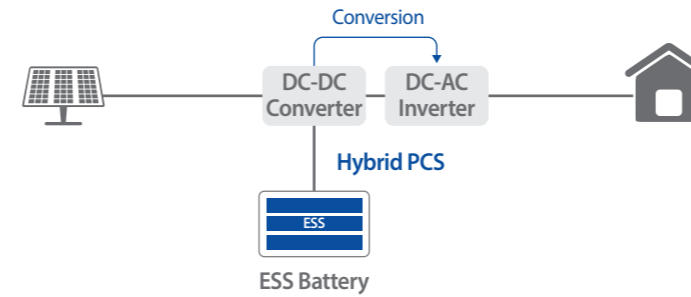
Samsung SDI's All-in-One solution combines the functions of a dual MPPT inverter, a battery inverter and a lithium-ion battery into one compact unit. The systems integrated inverter increases efficiency by only converting the energy once into AC power, which can then be used around the home. The compact design allows the unit to be installed with ease into even the smallest of rooms.

### [ All-in-One solution ]

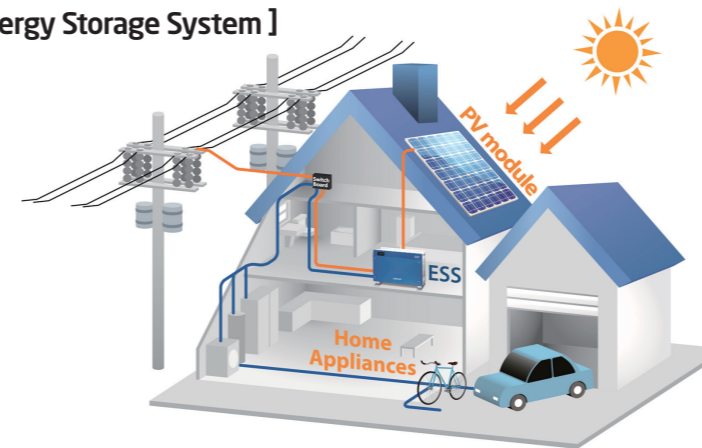


- Simple DC system with high efficiency
- Compact size with high energy density
- Easy to transport and install

### [ Single conversion system ]



### [ Energy Storage System ]



## Experience Samsung SDI All-in-One

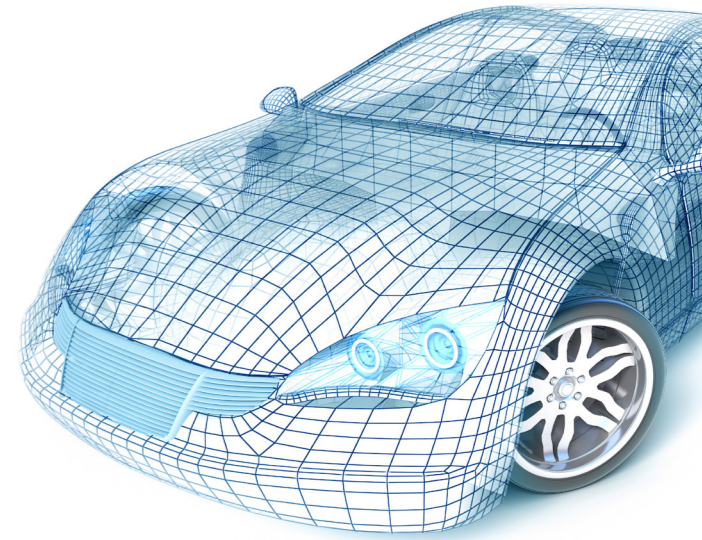
### Produced by specialists in lithium batteries, Web-monitoring for an enhanced user experience

Samsung SDI's ESS is based on the world leading lithium-ion cell technology currently used in cutting-edge IT devices and vehicles. Samsung SDI batteries adhere to the same strict quality assurance standards demanded by global automotive companies and large-scale utilities. You can rest assured the batteries will work effectively and safely for many years to come.

In addition, the web-monitoring system allows you to easily check the ESS's current operation, such as PV generation rates, battery usage and the charge state of the battery. The web-monitoring system connects to the internet to provide an unparalleled remote assistance service, which detects errors in advance.

### [ Advanced cell technology ]

- Premium quality with long life cycle
- World's safest battery with zero-recalls
- Adopted globally by automotive and utility companies.



### [ Maintenance service ]

- Web-monitoring to check energy flow and battery status
- Advanced error detection service
- Long-term warranty program

