

ENERGY STORAGE SYSTEM

for Homes



PV
Inverter

Battery
Converter

Lithium-Ion
Battery

All-in-One solution for homes

Samsung SDI's All-in-One Solution, ensuring the best use of solar energy to fit your household power requirements. Meet All-in-One solution that can be directly connected to your PV system. It is designed to be more compact and easy to be installed. Also you can get a more convenient service with the web-monitoring system and use the product safely. Eventually, it will enable you to save your money and enhance the pleasure of use.

SPECIAL FEATURES

COMPACT DESIGN

- 3 Functions in one enclosure (PV & battery inverter+lithium-ion battery)
- Simple installation

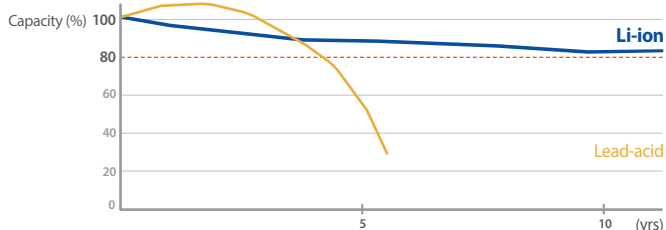
PROACTIVE SERVICE

- Prior malfunction sensing
- Web & Mobile monitoring for remote maintenance
- Local service network

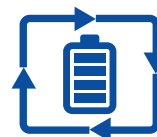
SAFETY

- Battery cell approved for EV use
- VDE, TÜV tested lithium-ion battery and inverter

LONG LIFESPAN AND CYCLE LIFE



*Lifespan and Life cycle based on battery system





6.000 CYCLE

LIFE CYCLE

SPECIFICATION

For Australia

Technical Data		AIO 3,6	Scalable AIO 7,2/10,8
DC Input (PV)			
	Max Power (kWp)	6,6 (3,3 × 2)	6,6 (3,3 × 2)
	Max Voltage (V)	550	550
	MPPT / Rated Voltage (V)	125~500 / 400 per String	125~500 / 400 per String
	Min. / Initial Input Voltage(V)	125 / 150 per String	125 / 150 per String
	Max Input Current (A)	15 per String	15 per String
	No. of MPP Tracker	2	2
	No. of DC inputs	2	2
PV Module Connectors	MC4	MC4	
AC Output	Power (kVA)	4,6	5
	Nominal Voltage (Vac)	230	230
	Nominal Frequency (Hz)	50	50
	AC Output Current (A)	20	22
	Standby Losses (W)	25	25
	Feed-in / Connection Phase	1 / 1	1 / 1
Efficiency	PV to Grid (%)	95	96
Battery	Scalability	-	Available (7,2/10,8)
	Manufacturer	SAMSUNG SDI	SAMSUNG SDI
	Technology	Lithium Ion (Lithium Manganese Oxide)	Lithium Ion (Lithium Manganese Oxide)
	Power (kW)	2	4 / 5
	Capacity (kWh)	3,6 (DOD 90%, Usable capacity: 3,24)	7,2/10,8 (DOD 90%, Usable capacity: 6,48/9,72)
Others	Back-up	-	Available
	Dimension (mm, B × W × H)	1.000 × 267 × 680	1.140 x 280 x 1.200
	Weight (kg)	95	194 / 238
	Operating Temperature (° C)	-10~40	-10~40
	Humidity (%)	Max. 95 (non-condensing)	Max. 95 (non-condensing)
	IP Grade	21	54
	Certifications and Approvals	AS/NZS 3100, AS 4777.2/3, CE, IEC 62109-1 / 2	IEC 62109-1/2, AS3100, AS62040.1.1, AS4777.2(3), IEC62619, IEC60730-1 Annex H, IEC61000-6-2/3, IEC61727, IEC62116
	Warranty (Years)	5 (Product) / 10 (Performance)	5 (Product) / 10 (Performance)
Energy Management System	Monitoring	Web, Mobile	Web, Mobile
	Software Update	Via Internet	Via Internet

* Data in this document is subject to change without notice

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