

# 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 ensures 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

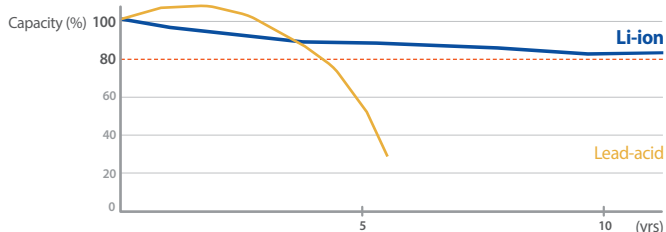
### PROACTIVE SERVICE

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

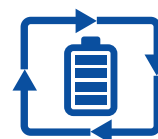
### SAFETY

- 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 Side (GRID)	Rated Voltage (Vac)	230	230	
	Rated Frequency (Hz)	50	50	
	Feed-in/Connection Phase	1/1	1/1	
	Rated Output Power (kW)	4,6	5	
	Rated Output Current (A)	20	22	
	Maximum Input Power (kW)	4,6	8	
	Maximum Input Current (A)	20	35	
Power Factor (cos phi)	0,8 (over) ~ 1 ~ 0,8(under)	0,8 (over) ~ 1 ~ 0,8(under)		
Emergency Power Supply (LOAD)	Rated Voltage (Vac)	Not Available	230	
	Rated Frequency (Hz)		50	
	Rated Current (A)		17,4	22
	Rated Power (kW)		4	5
	Feed In Type		Single-Phase	
Battery	Scalability	Not Available	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
	Rated/Usable Capacity (kWh) (@ DoD 90%)	3.6 (DoD 90%, Usable capacity: 3.24)	7,2/6,48	10,8/9,72
Efficiency	PV to Grid (%)	95	96	
Others	Standby Losses (W)	25	25	
	Dimension (mm, B × W × H)	1.000 × 267 × 680	1.140 x 280 x 1.200	
	Weight (kg)	95	194 / 239	
	Operating Temperature (°C)	-10~40	-10~40	
	Humidity (%)	Max. 95 (non-condensing)	Max. 95 (non-condensing)	
	IP Grade	21	54	
	Certifications and Approvals	AS3100, 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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