

MODEL **SG-AIO 10/15/20/25/30 KWHB**

Battery	SG-AIO 10KWHB	SG-AIO 15KWHB	SG-AIO 20KWHB	SG-AIO 25KWHB	SG-AIO 30KWHB
Number of layers	1 layer	2 layer		3 layer	
Model	51.2V200Ah	51.2V300Ah	51.2V400Ah	51.2V500Ah	51.2V600Ah
Energy (kWh)	10.24	15.36	20.48	25.6	30.72
Dimensions (L*W*H)mm	653*320*1458	653*320*2014		650*320*2570	
Weight (Kg)	175	233	283	350	400
Operating voltage range (V)	43.2 V ~ 56.16				
Cell Technology	Lithium iron phosphate (LiFePO4)				
Lifecycle	6000 volte @80%DOD 25C 0.5°C				
Max charge/discharge current (A)	120				
Input (PV)					
Max PV Power (W)	9000				
Max PV Voltage (V)	550				
Max input current (Input A/ Input B) (A)	15/15				
MPPT voltage range (V)	90-52				
Number of MPPT trackers	2				
Strings per MPPT tracker	1				
Output (Grid)					
Nominal AC output power (W)	6000				
Max AC output apparent power (VA)	6000				
Max AC output power (PF=1) (W)	6000				
Max AC output current (A)	27.2				
Rated AC voltage (V)	220				
AC Voltage Range (V)	220-230 (adjustable)				
Rated Grid Frequency (Hz)	50/60				
AC Frequency Range (Hz)	50/60 (adjustable)				
Output (Back-up)					
Nominal output voltage (V)	230				
Nominal output frequency (Hz)	50/60				
Nominal output power (W)	6000				
Nominal output current (A)	26				
Transfer time (ms)	10(typ) / 20(max)				
THDV	<3% @100% R Load				
General Data					
Display	LCD				
Communication	Modbus, RS485, WIFI				
Noise emission (dB)	<35				
Operating temperature range (°C)	-25 ~ 60				
Relative Humidity (%)	0 ~ 100				
Cooling concept	Natural cooling				
Mounting	Stackable				
Certifications	IEC62477, IEC62109, UN38.3, MSDS				

