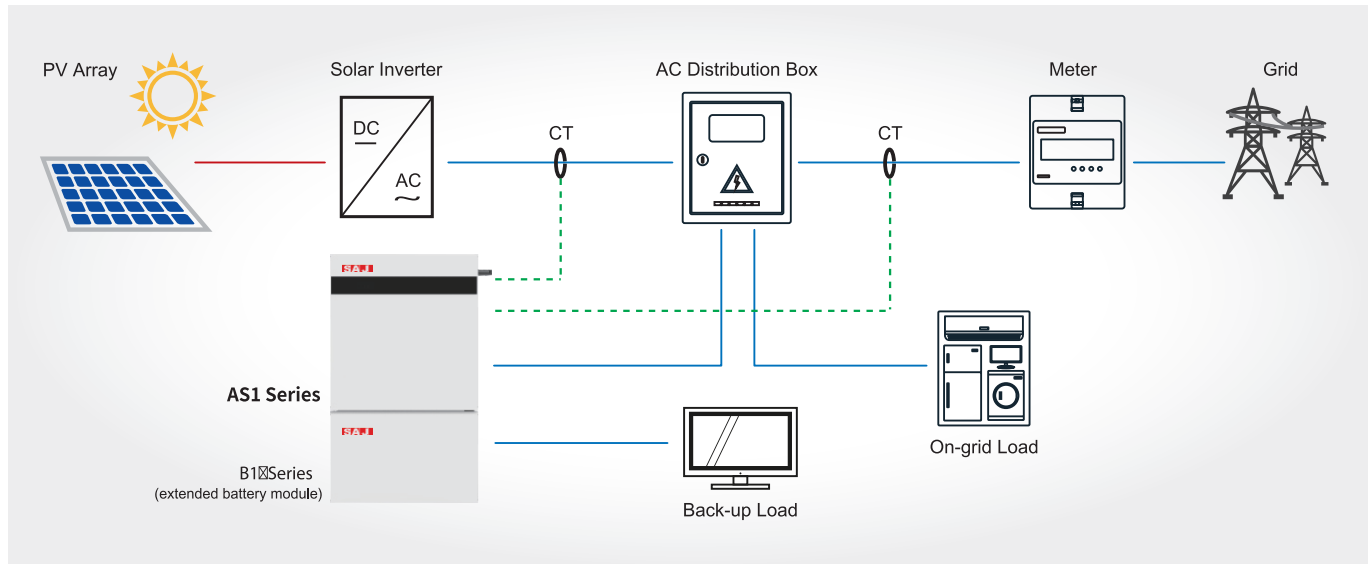


## AS1 AC Retrofit Battery System



### AS1-3KS-5.1 Datasheet

| Type                                   | AS1-3KS-5.1  |
|--|--|
| <b>Battery Parameters</b>              |  |
| Battery Type                           | Lithium ion  |
| Total Energy Capacity [Wh]             | 5120   |
| Battery Capacity [Ah]                  | 100  |
| Rated Voltage [V]                      | 51.2   |
| Voltage range [V]                      | 42~58.4  |
| Depth Of Discharge [DOD]               | ≤ 90%  |
| Cycle Life                             | ≥ 6000   |
| Max.Charge Current [A]                 | 60   |
| Max.Discharge Current [A]              | 60   |
| Scalability                            | Yes ( up to 20.4KWh )  |
| <b>Grid Parameters</b>                 |  |
| Max.Continuable Output Power [VA]      | 3000   |
| Max.Output Current [A]@230Vac          | 13.1   |
| Rated Grid/Backup Voltage/Range [V]    | 220, 230, 240/180~280  |
| Rated Grid/Backup Frequency/Range [Hz] | 50, 60/±5  |
| Power factor [cos φ]                   | 0.8 leading~0.8 lagging  |
| Feed-in                                | L+N+PE   |
| <b>AC Output [Back-up Mode]</b>        |  |
| Max. Continuable Output Power [VA]     | 3000   |
| Output Voltage [V]                     | 220/230/240  |
| Max.Output Current [A]@230Vac          | 13.1   |
| Output Frequency [Hz]                  | 50/60  |
| Max.Output Power [VA]                  | 3600 ,10sec  |
| <b>General Data</b>                    |  |
| Communication Mode                     | Wi-Fi/4G/Ethernet (Optional)                                   |
| Operating Temperature Range            | 0°C~50°C (above 45 °C battery performance degrades )           |
| Cooling Method                         | Natural Convection   |
| Ambient Humidity                       | 0-95% Non-condensing   |
| Noise [dBA]                            | <29  |
| Ingress Protection                     | IP65   |
| Dimensions [H*W*D][mm]                 | 738*650*186  |
| Weight [kg]                            | 64   |
| Standard Warranty [Year]               | 5 (Standard) /10 (Optional)                                    |
| Applicable Standard                    | AS 4777.2, VDE 4105, G98, C10/C11, CEI0-21, IEC62619, IEC62040 |