



## EnBreeze 15kW All-in-One C&I Hybrid ESS

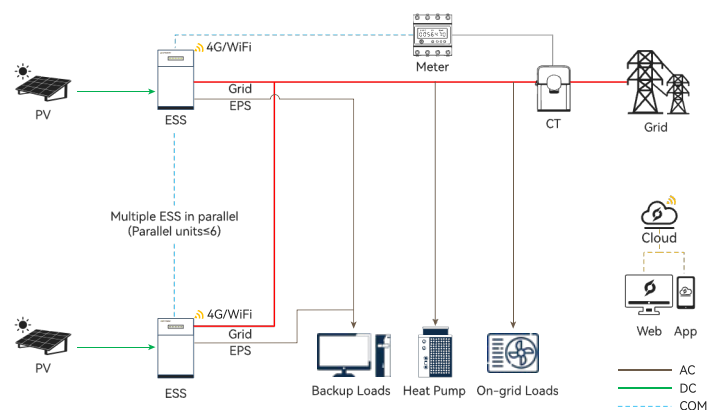
### Stackable Hybrid Air Cooling

EnBrilion's 15kW Stackable Hybrid ESS is an integrated solar battery system that includes a hybrid inverter and battery modules. Users can build an efficient home energy storage solution with this system, maximizing self-consumption of solar energy and significantly reducing electricity bills. Additionally, the system is ideal for areas that require backup power, ensuring reliable power support during grid outages.

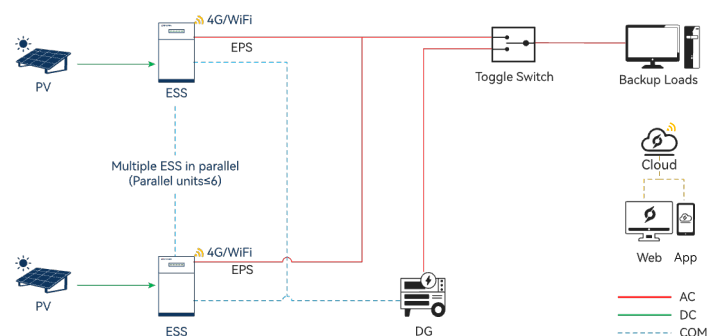
#### Features:

- Powerful performance and robust reliability with a 10ms grid-to-off-grid switchover.
- With an IP65 protection rating, the system operates reliably in both indoor and outdoor environments under various conditions.
- Suitable for a variety of applications, such as villas, hotels, shopping malls, etc.

#### On-grid, output power, $\leq 60\text{kW}$



#### Solar-Storage-DG forming an off-grid-system output power $\leq 60\text{kW}$



| Model                              | KPSA1530                                |
|------------------------------------|-----------------------------------------|
| <b>PV Input</b>                    |                                         |
| Max. DC Input Power (kW)           | 22.5                                    |
| MPPT Voltage Range (V)             | 180~850                                 |
| Max. Input Current (A)             | 22.5                                    |
| No. of MPP Trackers                | 2                                       |
| <b>Battery Parameters</b>          |                                         |
| Battery Type (V/Ah)                | LFP 3.2/50                              |
| Battery Voltage Range (V)          | DC 180~700                              |
| Battery Module (kWh/V)             | 5.12/102.4                              |
| Battery Capacity (kWh)             | 30                                      |
| Max. Charge/Discharge Current (A)  | 50/50                                   |
| Cycle Life                         | ≥6000 times (25°C±5°C/100% DOD/80% SOE) |
| <b>AC Input/Output</b>             |                                         |
| Rated Input Power (kW)             | 15                                      |
| Rated Apparent Power to Grid (kVA) | 16.5                                    |
| Rated Voltage (V)                  | 3/N/PE; 220/380 3/N/PE; 230/400         |
| Rated Frequency (Hz)               | 50/60                                   |
| Rated AC Current to Grid (A)       | 22                                      |
| AC Output Power Factor             | -1~+1                                   |
| THDi (%)                           | < 3                                     |
| <b>EPS Output</b>                  |                                         |
| Rated Power (kW)                   | 15                                      |
| Rated Apparent Power to Grid (kVA) | 16.5                                    |
| Rated Voltage (V)                  | 3/N/PE; 220/380 3/N/PE; 230/400         |
| Rated Frequency (Hz)               | 50/60                                   |
| Rated Current to Grid (A)          | 22                                      |
| Power Factor                       | -1~+1                                   |
| THDv (%)                           | < 3                                     |
| Switch Time (ms)                   | < 10                                    |
| <b>Efficiency</b>                  |                                         |
| PV Max. Efficiency (%)             | 98                                      |
| PV Europe Efficiency (%)           | 96.2                                    |
| <b>General Data</b>                |                                         |
| Dimension W*D*H (mm)               | 700×575×1295                            |
| Hybrid Inverter Net Weight (kg)    | 325                                     |
| Operating Temperature Range (°C)   | -20~+50 (derating > 45)                 |
| Relative Humidity (%)              | 0~95                                    |
| Altitude (m)                       | ≤2000                                   |
| Ingress Protection                 | IP65                                    |
| Cooling Method                     | Air cooling                             |
| Diesel Generators                  | Support                                 |

