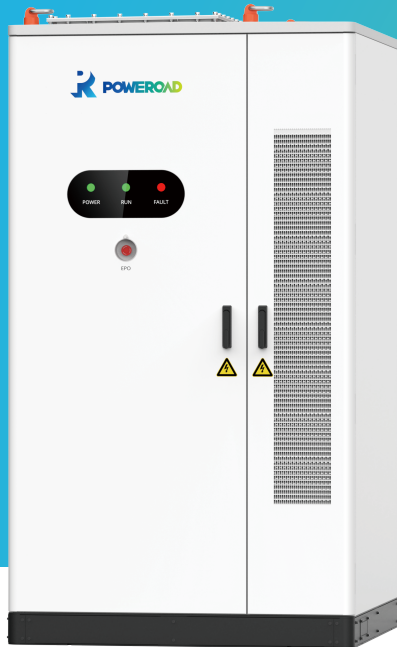


# FLEX 418 AIO

All-in-one Liquid Cooling Outdoor Cabinet ESS



 **Industry-leading Active Balancing BMS**  
Maximizes usable capacity & Extends battery life

 **-30°C to 50°C Operation Temperature**  
Can be installed in harsh conditions (extreme heat/cold)

 **High Energy Density**  
Compact footprint with more capacity



**314 Ah**  
LFP Battery Cell

**417.992 kWh**  
Rated Energy

**125 / 210 kW**  
Rated AC Power

**400 V/ 800 V**  
Rated AC Voltage

| FLEX 418 AIO ESS PARAMETERS |                         |                                                                                                        |         |
|-----------------------------|-------------------------|--------------------------------------------------------------------------------------------------------|---------|
| AC Parameters               | Rated Power             | 125 kW                                                                                                 | 210 kW  |
|                             | Maximum Power           | 137.5 kVA                                                                                              | 231 kVA |
|                             | Grid Type               | 3P+PE                                                                                                  |         |
|                             | Rated Grid Voltage      | 400 V                                                                                                  | 800 V   |
|                             | Grid Frequency          | 50 / 60 Hz                                                                                             |         |
|                             | EMC&Safety Standards    | IEC/EN 62477,EN/IEC 61000                                                                              |         |
| DC Parameters               | Rated Voltage           | 1331.2 V                                                                                               |         |
|                             | Voltage Range           | 1164.8 ~ 1497.6 V                                                                                      |         |
|                             | Rated Energy            | 417.992 kWh                                                                                            |         |
|                             | Battery Cell            | LFP 314 Ah                                                                                             |         |
| Other Parameters            | Degree of Protection    | IP 55                                                                                                  |         |
|                             | Operation Temperature   | -30 ~ 50 °C (>45°C derating)                                                                           |         |
|                             | Storage Temperature     | -30 ~ 60 °C                                                                                            |         |
|                             | Altitude                | 2000 m (>2000m derating)                                                                               |         |
|                             | Relative Humidity       | 5 ~ 95% (No Condensing)                                                                                |         |
|                             | Cooling Method          | Liquid Cooling                                                                                         |         |
|                             | Fire Suppression System | Smoke & Gas Detectors, Aerosol, Vent Valve, Explosion Relief Panel, Water Sprinkler, Humiture Detector |         |
|                             | Communication           | MODBUS                                                                                                 |         |



This product is currently under preliminary development.  
All specifications and images are for reference only and are subject to change without prior notice.

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