



## AFE

Grade A  
LiFePO<sub>4</sub> Cell

## RELIABLE

Compatible with  
Major PCS Brand

## CALABLE

Scalable from 5  
to 30 kWh

| Model | AIR 4900-3U | AIR 5220-3U |
|-------|-------------|-------------|
|-------|-------------|-------------|

| Performance           |         |          |
|-----------------------|---------|----------|
| Nominal Voltage       | 48 Vdc  | 51.2 Vdc |
| Nominal Capacity      | 102 Ah  | 102 Ah   |
| Battery Energy        | 4.9 kWh | 5.2 kWh  |
| CUS                   | 4.4 kWh | 4.7 kWh  |
| Charge Current        | 50 A    | 50 A     |
| Charge Power          | 2400 W  | 2560 W   |
| Discharge Current     | 100 A   | 100 A    |
| Discharge Power       | 4800 W  | 5120 W   |
| Short circuit current | 350 A   |          |

| Communication |                                     |
|---------------|-------------------------------------|
| Display       | SOC status indicator, LED indicator |
| Communication | CAN, RS485, RS232                   |

| General Specification  |  |       |
|------------------------|--|-------|
| Dimension (WxDxH mm)   | 440 x 500 x 132mm                            |       |
| Weight (kg)            | 41 kg  | 43 kg |
| Installation           | Rack mounted or wall mounted                 |       |
| Working Temperature    | -20°C - 60°C                                 |       |
| Operating / Storage    | ≤95% RH                                      |       |
| Max Operating Altitude | ≤2000 m                                      |       |
| IP Rating              | IP20   |       |
| Cell Technology        | LiFePO <sub>4</sub> , Lithium Iron Phosphate |       |
| Cycle life             | 6000 Cycles @ 80% DoD / 25°C / 0.5C, 60% EOL |       |
| Scalability            | Max 6 batteries in parallel                  |       |

| Standard Compliance (more available upon request) |            |
|---|------------|
| Certificates                                      | CE, UN38.3 |

| Ordering and Deliverable Part |  |
|-------------------------------|--|
| Product ordering part         | AIR 4900/5220-3U Battery (Cable / wall mount included) |