



AFE
Proprietary Module
Technology

RUGGED

IP66 to Withstand
Harsh Conditions



UPERIOR
Premium
LiFePO₄ Cell



TACKABLE
Scalable from 5.22
to 78.3 kWh

RELIABLE

Compatible with
Major PCS Brand



MART
Take Control on
Your Phone





| Model | AIR 5220-S1 | AIR 5220-S2 | AIR 5220-S3 | AIR 5220-S4 | AIR 5220-S5 |
|-------|-------------|-------------|-------------|-------------|-------------|
|-------|-------------|-------------|-------------|-------------|-------------|

Performance

| | | | | | |
|-----------------------|----------|----------|----------|----------|---------|
| Nominal Voltage | 51.2 Vdc | | | | |
| Nominal Capacity | 102 Ah | 204 Ah | 306 Ah | 408 Ah | 510 Ah |
| Battery Energy | 5.22kWh | 10.44kWh | 15.66kWh | 20.88kWh | 26.1kWh |
| CUS | 4.7kWh | 9.4kWh | 14.1kWh | 18.8kWh | 23.5kWh |
| Charge Current | 50 A | 100 A | 150A | 200A | 200A |
| Charge Power | 2500W | 5000W | 7500W | 10000W | 10000W |
| Discharge Current | 50 A | 100 A | 150A | 200A | 200A |
| Discharge Power | 2500W | 5000W | 7500W | 10000W | 10000W |
| Short circuit current | 350 A | | | | |

Communication

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

General Specification

| | | | | | |
|------------------------------|--|-------------|--------------|--------------|--------------|
| Dimension (WxDxH mm) | 650x135x416 | 650x135x777 | 650x135x1138 | 650x135x1499 | 650x135x1860 |
| Weight (kg) | 47 kg | 91.3 kg | 135.6 kg | 180kg | 224.2 kg |
| Installation | Floor Stand or Wall Mount | | | | |
| Working Temperature | -20°C-60°C | | | | |
| Operating / Storage humidity | ≤95% RH | | | | |
| Max Operating Altitude | ≤2000m | | | | |
| IP Rating | IP66 | | | | |
| Cell Technology | LiFePO ₄ ,Lithium Iron Phosphate | | | | |
| Cycle life | 6000 Cycles @ 80% DOD / 25°C / 0.5C, 60% EOL | | | | |
| Scalability | Max 15 batteries in parallel | | | | |

Standard Compliance(more available upon request)

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| Certificates | CE, IEC61000, IEC62619, IEC62040, UN38.3, ROHS |
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Ordering and Deliverable Part

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|-----------------------|--|
| Product ordering part | AIR 5220-S Battery + Parallel Cable AIR 5220-S Base + Power Cable |
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