



⚡AFE

Proprietary Module
Technology

RUGGED

IP66 to Withstand
Harsh Conditions

⚡UPERIOR

Premium
LiFePO₄ Cell

⚡TACKABLE

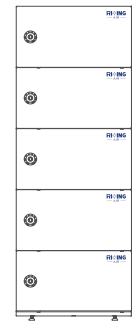
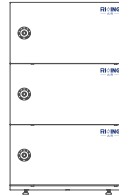
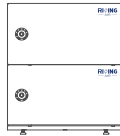
Scalable From 5.22
To 78.3 kWh

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
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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	2.5kW	5kW	7.5kW	10kW	10kW
Discharge Current	50 A	100 A	150A	200A	200A
Discharge Power	2.5kW	5kW	7.5kW	10kW	10kW
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				
Operating Temperature	Charge: 0~55°C / Discharge: -20°C ~ 55°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)	
Certificates	CE, IEC61000, IEC62619, IEC62040, UN38.3, ROHS

Ordering and Deliverable Part	
Product ordering part	AIR 5220-S Battery + Parallel Cable AIR 5220-S Base + Power Cable