ATLAS POWER
Draw on our energy

PRODUCT SPECIFICATION DOCUMENT

AP200 Module

Mid-size industrial battery for hybrid and standalone use

Power that adapts.

The AP 200 delivers 188 kVA of continuous clean energy with up to 564 kVA peak power, making it a versatile solution for medium-duty microgrids, remote operations and hybrid generator setups.

Rugged, compact and grid-ready, it's designed to optimise energy efficiency while reducing diesel reliance and emissions across a range of industrial use cases.

Applications

- Medium-scale microgrids and hybrid systems
- Construction site backup and peak shaving
- Mining support services and exploration
- Generator replacement or augmentation

Performance Highlights

- 188 kVA continuous output with 564 kVA peak surge
- 104 kVA input for fast recharging
- Suitable for standalone or hybrid operation
- Up to 94.8% system round trip efficiency
- Integrated cooling and smart energy controls
- Reliable, rugged and easy to deploy

Technical Specifications

Storage	
Nominal capacity	188 kWh
Usable capacity (90% DoD)	169.2 kWh
Cell chemistry	$LiFePO_4$
Battery management system	Automotive-grade BMS
Power	
Nominal power output	188 kVA
Peak output (10s)	564 kVA
Input power	104 kVA
Recharge time	2 hr @ 104 kW
Round trip efficiency	Up to 94.8%
Control & Monitoring	
Real-time telemetry via Atlas Management System	
Remote diagnostics and smart fault alerts	
Supports hybrid intergration with generator/grid/solar	
Environmental	
Cooling system:	Liquid cooling and Thermal Management
Operating temperature range:	–20°C to +50°C
Silent, zero-emissions power	
Mechanical	
Compact steel housing with C5 protection	
Forklift and crane lift points	
Weather-sealed and site-hardened	

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Technical Specifications

Performance	
Nominal rated power	188kVA
Overload power(60s)	235kVA
Nominal peak power(10s)	564kVA
Electrical	
Rated voltage	415VAC
Frequency	400 (-10%~+15%)VAC
Power factor range	50/60Hz
Output voltage range	0 ind. …1 … 0 cap
Nominal rated AC current	262A
Max AC current(10s)	785A
Environmental	
Protection class	IP54
Corrosion protection	C3 (C5M)
Operating temperature	-20 to +50°C
Humidity	0-95% (no condensation)
Maximum operating altitude	3000m
Sound power level	<50<50 dB(A) @1m
Energy	
Cell chemistry	LiFePO4
Nominal capacity	up to 96.6%
Effective capacity	90%
Recharging time	7000cycles
Discharging time	Automotive grade BMS
System round trip efficiency	4 weeks
DoD% (depth of discharge)	Liquid cooling / PI heating film
Lifetime (80% DoD)	188kWh
Battery management system	169.2kWh
Battery balanced (recharge up to 100%)	2hours@94kW
Temperature control	1hour@169kW
Mechanical	
Dimensions (L x W x H)	2440*1800*2500mm
Weight	5500kg

Performance	
Control panel	188kVA
Protection	235kVA
Temperature control	564kVA
Remote generator start	415VAC
Remote connectivity	400 (-10%~+15%)VAC
Remote automation	50/60Hz

Scope of supply

Canopy

- High strength structure, high IP protection container

Security

- Internal locker for batteries.
- Anti-theft hinges and door lockers.
- Earth pin without grounding rod.

Transportability

- Transport Efficiency: The design includes a lifting eye, skid frame with forklift pockets, anti-theft features.

Optionals

- Custom colors
- Custom sockets distribution (input and output)
- Extended galvanized baseframe
- Grid synchronization panel
- Integrated PV inverter
- EV Charge point
- Trailer

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