ATLAS POWER
Draw on our energy

PRODUCT SPECIFICATION DOCUMENT

AP150 Module

Compact, containerised battery system for mobile or small-scale applications

Essential Power, scaled for small workshops

The AP150 delivers 170 kVA continuous output and 277 KVA peak – designed for off grid workshops.

Applications

- Small to medium construction sites
- Mobile power needs
- Infrastructure projects
- Agriculture
- Events and emergency power backup

Performance Highlights

- **169 kWh nominal capacity with 277 kVA peak power**
- Recharges in just **2 hours**
- Up to **96.6% efficiency**
- Silent, zero-emissions operation
- Built-in BMS and liquid thermal control
- Suitable for hybrid grid/genset integration

Technical Specifications

Performance	
Nominal rated power	170 kVA
Nominal peak power (30s)	277kVA
Nominal peak power (5s)	450 kVA
Electrical	
Rated voltage	400/480/220 VAC
Frequency	50 (60) Hz
Power factor range	0 ind. …1 … 0 cap
Energy	
Cell chemistry	LiFePO4
Nominal capacity	169 kWh
Effective capacity	152.1 kWh
Lifetime (80% DoD)	7000 cycles
Environmental	
Thermal Management	Liquid cooling / PI heating film
System Protection Class	IP54
Battery Pack Protection Class	IP68
PCS Core Parts	IP65
Corrosion Protection	C5M
Operating Temperature	-20 to +50 °C
Mechanical	
Dimensions (L x W x H)	2300 x 1150 x 2200 mm
Weight	2500 kg

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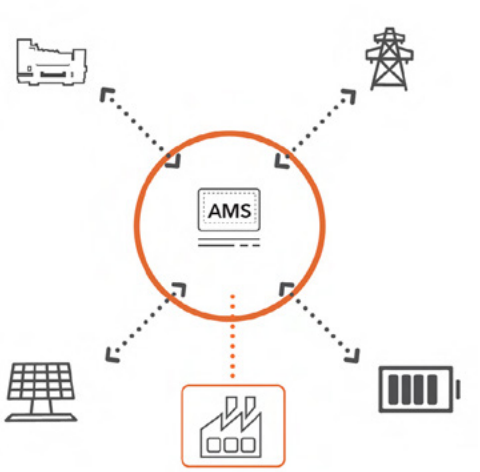

Control	
Control Panel	Industrial-grade rugged 10'' HMI with configurable presets, data visualisation and logs
Protection	Overload, Overhead, Short Circuit, Earth Fault
Temperature control	Active forced air cooling
Remote generator start	Dry contact relay / MODBUS
Remote connectivity	Data-efficient M2M communications via mobile and user notifications to internet connected devices

Atlas Management System

With the Atlas Management System, you can effortlessly check the performance of your systems in real-time, identify and troubleshoot any issues, and even remotely commission new units. The system also offers remote access to the HMI, enabling you to control and adjust settings from anywhere. Additionally, you can assign contracts to specific systems, ensuring they are operating according to your needs, and track their exact location using integrated GPS technology.

Multiple Working Mode
Provides multiple operating modes selection for different working scenarios. The full functions AMS supports Island mode, Hybrid mode, Microgrid mode etc.

Integration Capability
AMS can automatically integrate various energy sources of generator, battery storage, PV, mains and provide seamless power switch.

Scalability
The power and capacity can be expanded by parellelling with multiple EnergyPack BESS and generators.

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