ATP MDC Outdoor HUB

Micro Modular Data Center (Outdoor) developed with multiple configurations that fit into various application scenarios.

The platform's design with standardized modules and prefabricated size supports rapid deployment and customization.

ATLANTIC POWERenergy

Atlantic Power faces the challenges of extreme conditions with its MDC outdoor HUB. Specially designed for telecommunications systems and data centers that must operate outdoor.

ATP MDC Outdoor Hub Benefits

Flexibility

- 24U to 42U cabinet with IP65 protected space with all kinds of critical aspects, access control and video monitoring options.

- Compact outdoor cabinet with built-in standard 19'' frame, match for most types IT equipment's installation.

- Support multiple power system with 48VDC rectifier and AC UPS.

Efficiency

- Better cooling efficiency with wall/rack/Inrow cooling system.

- Separated cold/hot air management enhance more energy efficiency.

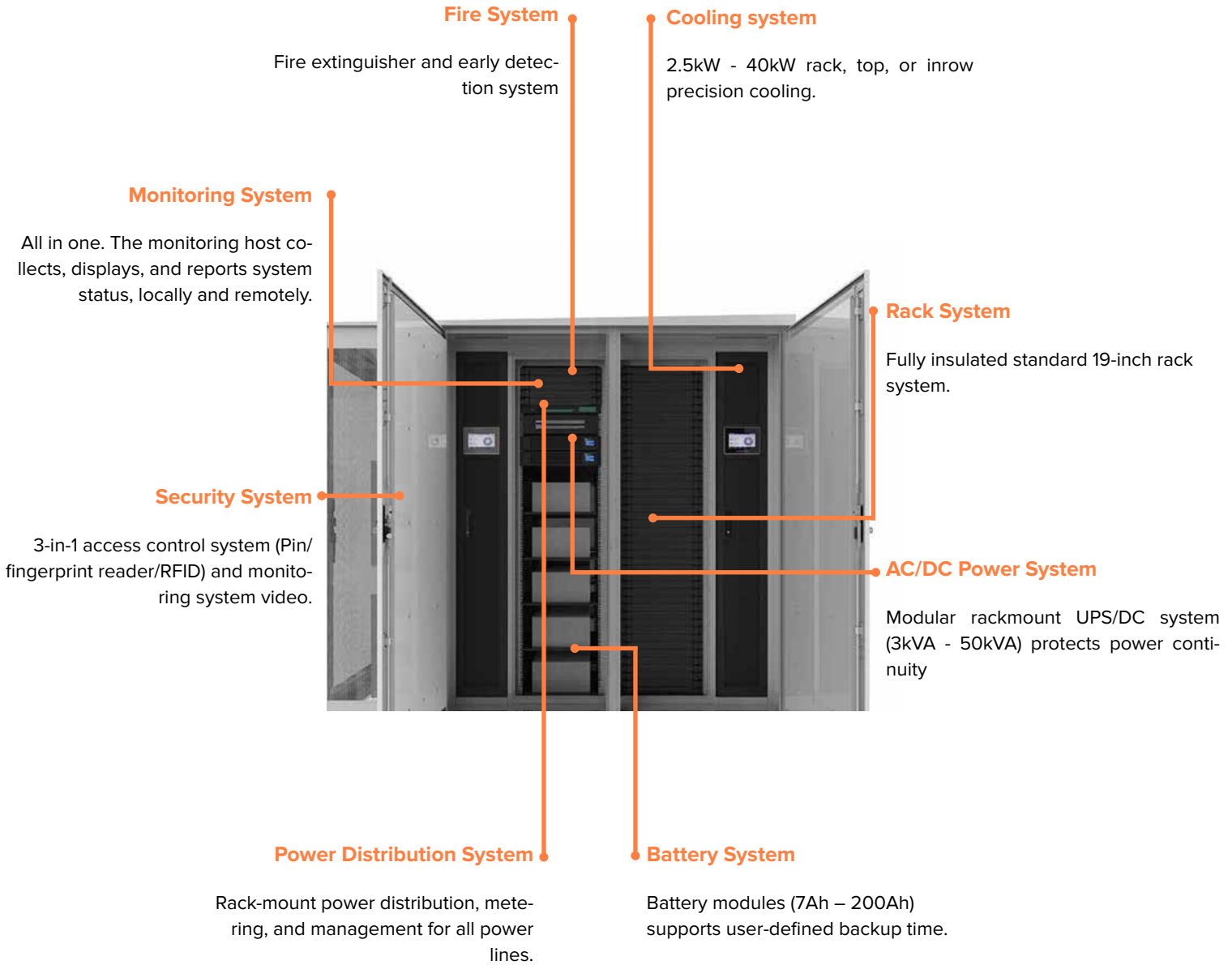- High efficient components including inverter compressors, EC fans and green refrigerant.

Rapid Deployment

- Rugged designs suitable for all environments and applications. Outdoors, rooftops, warehouses, oil rigs, remote sites, can provision in any location with no pre-investment.

- All-in-one design, factory prefab and commissioning enable fast deployment.

Standardized Mngmt

- Simplify the management with the standardized modules and remote monitoring & management portals.

All systems integrated, with high flexibility and with the option to customize them to suit your needs.

Fire System

Fire extinguisher and early detection system

Cooling system

2.5kW - 40kW rack, top, or inrow precision cooling.

Monitoring System

All in one. The monitoring host collects, displays, and reports system status, locally and remotely.

Rack System

Fully insulated standard 19-inch rack system.

Security System

3-in-1 access control system (Pin/fingerprint reader/RFID) and monitoring system video.

AC/DC Power System

Modular rackmount UPS/DC system (3kVA - 50kVA) protects power continuity

Power Distribution System

Rack-mount power distribution, metering, and management for all power lines.

Battery System

Battery modules (7Ah – 200Ah) supports user-defined backup time.

Proven efficiency from factory pre-assembly

www.atlanticpowerenergy.com

ATP MDC Outdoor HUB for Telecom Applications.

» 24U to 42U IP65 water/dust protection prefabricated cabinet with built-in standard 19'' frame.

» Fan ventilation kit and wall mount cooling for optional.

» Sandwich type steel front&rear door with thermal insulation.

» Optional wall mount / floor mount installation method.

» Operating temperature: -40 ℃ ~ 55 ℃.

ATP MDC Outdoor HUB for Modular Data Center

» Multiple 1x 42U/2*42U/3*42U IP65 water/dust protection prefabricated cabinet with condenser space and rugged support frame.

» Sandwich type steel front & rear door with thermal insulation.

» Maintenance access on front and back.

» Operating temperature: -40 ℃ a 55 ℃.

ATP MDC with Rack Cooling

» Atlantic Power MDC with fully integrated rack cooling, AC/DC power, battery, power distribution, security, monitoring and fire systems.

» IP55 protection and thermal insulation for outdoor deployment.

AATP MDC with In-Row Cooling

» Fully integrated Atlantic Power MDC with 2 rack spaces, row cooling, AC/DC power, battery, power distribution, security, monitoring, and fire systems.

» IP55 protection and thermal insulation for outdoor deployment.

1 Rack MDC with Wall Cooling

1* 42U Total Space

1* 1.5kW Wall Packaged Cooling

2* 30A 48VDC Power

IP65 Cabinet

RFID Access Control

Local DCIM

Dual Rack MDC with Wall Cooling

2* 42U Total Space

2* 1.5kW Wall Packaged Cooling

2* 30A 48VDC Power

IP65 Cabinet

RFID Access Control

Local DCIM

1 Rack MDC with Rack Cooling

1* 42U Total Space

1* 3.9kW Rack Split Cooling

1* 6kVA UPS Power

IP65 Cabinet

RFID Access Control

Local DCIM

2 Racks MDC with Inrow Cooling

2* 42U Total Space

1* 5.9kW Rack Split Cooling

1* 10kVA UPS Power

IP65 Cabinet

RFID Access Control

Local DCIM

3 Racks MDC with Inrow Cooling

3* 42U Total Space

1* 7.6kW Row Split Cooling

1* 10kVA UPS Power

IP65 Cabinet

RFID Access Control

Local DCIM

3 Racks MDC with Rack Cooling

3* 42U Total Space

1* 12.8kW Rack Split Cooling

1* 20kVA UPS Power

IP65 Cabinet

RFID Access Control

Local DCIM

Datos Técnicos: 230V/1P/50~60Hz | 400V/3P/50~60Hz

Model	ATP-03-H01W	ATP-06-H02W	ATP-06-H01K	ATP-10-H02K	ATP-10-H02R	ATP-20-H03K	Customized
Available IT Space	33U	71U	27U	67U	73U	101U	Max 3 Rack
Available Power for IT -kW	1,3	2,5	3,5	5	7	12	On demand
Redundancy	N	N	N	N	N	N	N /N+1/2N
Width -mm	905	1810	1400	2000	2600	2600	On demand
Depth -mm	1080	1080	1600	1600	1600	1600	1600
Heigh -mm	2105	2105	2300	2300	2300	2300	2300
Cabinet Weight -kg	165	345	560	890	110	1242	On demand
IP Level	IP65	IP65	IP65	IP65	IP65	IP65	On demand
Recommended Breaker	1x32A	1x63A	1x63A	1x63A	1x63A	3x63A	On demand
Power							
Input Voltage	208-380V/3P /50-60Hz						On demand
UPS -kVA	On demand	On demand	6	10	10	20	3-200KVA
UPS Type	On demand	On demand	Rack	Rack	Rack	Rack	Rack
Battery	On demand	On demand	2*16Pcs 12V9Ah	2*16Pcs 12V9Ah	2*16Pcs 12V9Ah	2*40Pcs 12V9Ah	<= 4hrs
AC PDU	1 x Basic 8 slots	2 x Basic 8 slots	1 x Basic 16 slots	2 x Basic 16 slots	2 x Basic 16 slots	3 x Basic 16 slots	On demand
-48VDC Power	2* 30A Modules	2* 30A Modules	On demand	On demand	On demand	On demand	On demand 10-600A
Cooling							
Cooling Type	Package DX	Package DX	Split DX	Split DX	Split DX	Split DX	DX / CW
Moun Type	Wall	Wall	Rack	Rack	Row	Rack	Wall / Rack / Row
Capacity-kW	1,5	2 x 1,5	3,9	5,9	7,6	12,8	On demand 1,5 - 90,0kW
Monitoring and Other Optional Features							
Monitoring Functions	Touch Screen						
	Temperature & Humidity Sensors						
	UPS Power Management						
	Cooling Management						
	Smoke & Fire Detection and Suppression (FM200)						
	Early Detecion (Vesda)						
	Water Leak Detection						
	Status of Doors						
	Video Surveillance						
	Access Control System (RFID / Key)						