

ATP- MDC v2.0

Indoor Micro DataCenter Solutions

Enable individually scalable combinations of all components like IT racks, cooling, power distribution, monitoring and security. flexible and highly standardized concepts can offer the best individual solution for every customer at any stage of the business. You can plan and invest your IT assets step by step while your business grows.



MDC with Top Package Cooling

3k –6k MDC fully integrated with closed rack, package cooling, UPS, battery, power distribution, security, monitoring and fire systems.

No complex piping of remote condenser installation

MDC with Rack Split /Package Cooling

3k –10k MDC fully integrated with closed rack, rack mount cooling, UPS, battery, power distribution, security, monitoring and fire systems.

Modular rack cooling flexible for rack-oriented MDC plan, expansion and deployment.

MDC with Row Split Cooling

6k –20k MDC fully integrated with closed rack, split cooling, UPS, battery, power distribution, security, monitoring and fire systems.

Row cooling seamless integration with rack row and capacity expansion.

Efficient Deployment & Relocation



Factory prefabrication, high integration, plug- and-play design enables quick delivery and deployment.

Lego style modular design, easy to expansion step by step.

ATP- MDC v2.0 Benefits

As micro data center leader, we continuously innovate and optimize our solutions to provide best-in-class energy efficiency and a wide range of flexible configurations. With our cutting-edge solutions, we offer unparalleled performance and reliability, making us the ultimate choice for your data center infrastructure projects.



Efficiency Prefabricated

Certifications: ISO 9001; ISO 14001

Secured Protection

- IP55 rated IT environment, excellent dust resistance and noise reduction capabilities, Anti-condensation design, ensure quiet, secure and stable operation.
- Smart 3in1 (PIN/Finger/RFID) Door access system, prevent unauthorized entry.
- Real-time equipment status monitoring and alarm, avoid delayed response.

Energy Efficiency

- Various efficient inverter precision air conditioning options provide energy-saving solutions.
- IP55 rated IT environment, allowing internal deployment of fire system, more cost saving.
- Factory prefab & plug-and-play design enable easy deployment and relocation.

Smart Monitoring

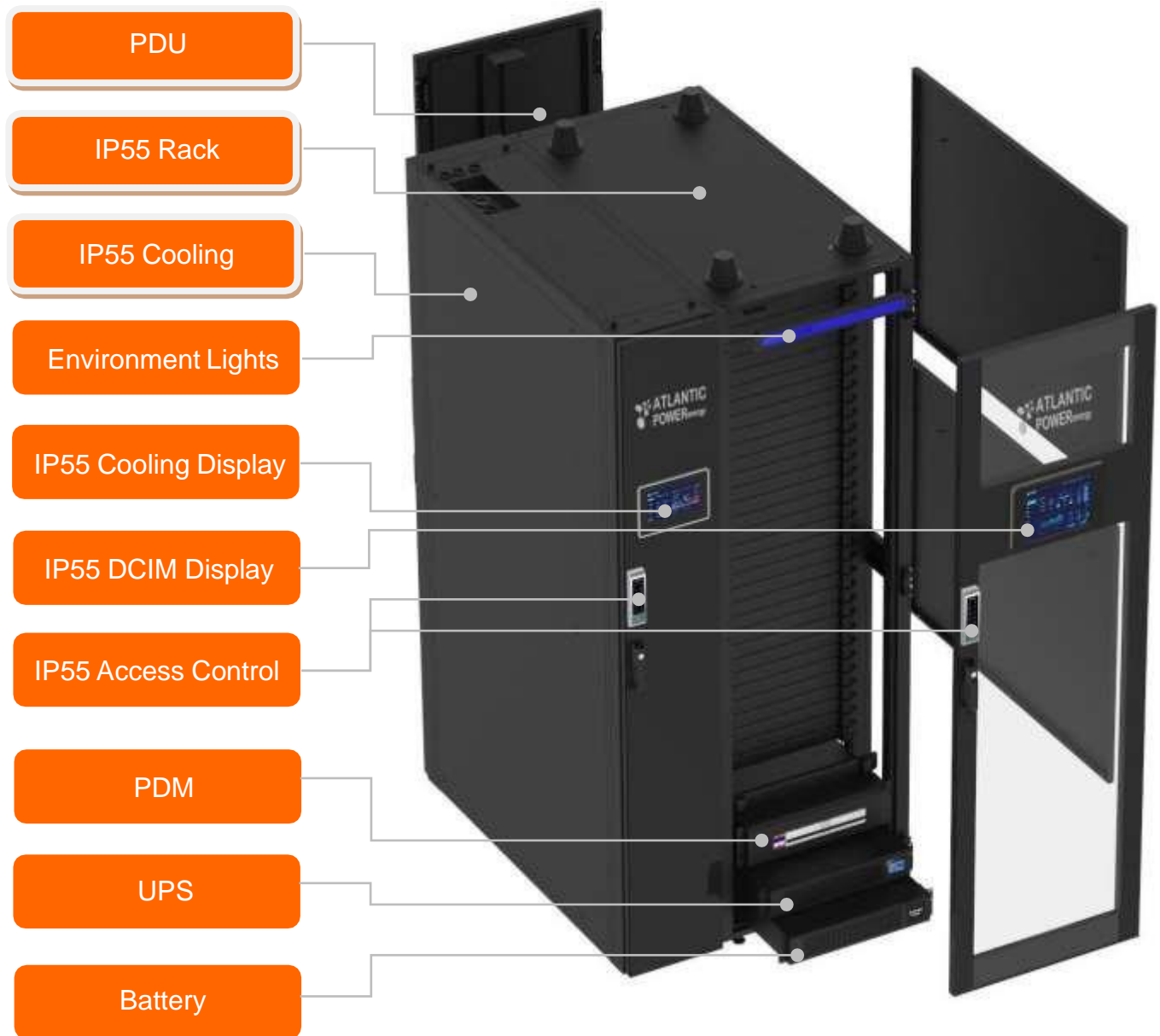
- Full sensor communication, all-in-one real time monitoring and management center, minimizing downtime.
- Support remote centralized management and constant monitoring, enhancing operational efficiency and flexibility.
- Upgraded software interface, more suitable for operation insights.

High Flexibility

- LEGO-style modular design allows for easy customization and expansion.
- Factory prefab and plug-and-play design enable easy deployment and relocation, reducing setup time and effort.

Always evolving. Always leading.

As micro data center leader, we continuously exploring the best combinations between the various modules to optimize our Micro Data Centers and provide the most effective configuration. Each module is a crucial and unique component that plays a vital role in achieving our goals.



The efficiency matters, for a sustainable future.

Optimized PUE

Energy efficiency has always been a top priority in our data center design and operations. Our cutting-edge energy-saving technologies and equipment and continually optimized energy management strategy, resulting in a substantial reduction in the PUE value.



Efficient Thermal Management System

Maximizing efficiency with various inverter precision air conditioning with IP55 rated built-in cold-hot aisle sealed cabinet.



The unparalleled protections, from inside to outside.

From internal power systems to external physical monitoring, we continuously innovate and optimize our Micro Data Center to provide the most comprehensive protection, making us the safest choice for your data management.



- **Power Supply Protection**

Online double-conversion UPS provides reliable power supply protection and effectively resists risk of sudden power cut.



- **Environmental Protection**

Stable temperature, humidity of IT environment provided by our various types of precision cooling, ensure your business continuous operation.



- **Real-time Monitoring**

Smart monitoring system fully communicate with UPS, cooling, power, and all types of sensor, integration with access control system, provided real-time data at all times.



- **Enhanced Physical Protection**

IP55 rated cabinets equipped with Intelligent 3 in 1 access control system can effectively prevent unauthorized entry including invasion, water and dust.

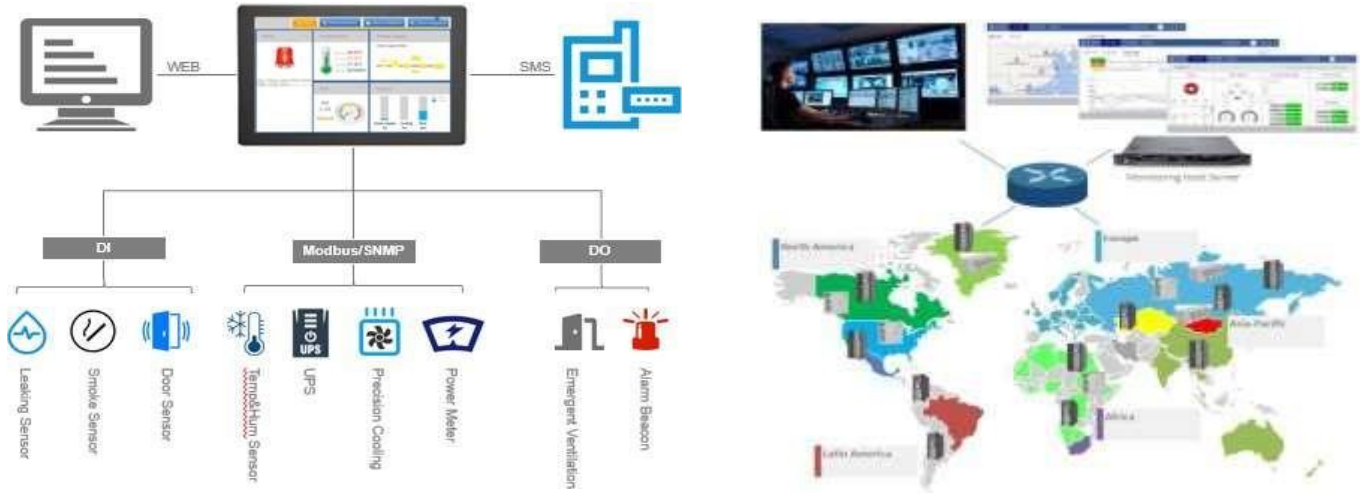


- **Disaster Protection**

Early fire detection system and Fire system combined with graphics processing technology to maximize the protection of your equipment from loss at the early stage of disaster.

The smart monitoring, your instant insights.

Smart monitoring system provide more user-friendly interface, comprehensive local monitoring, and supports various protocols for easy integration with your existing BMS system. It allows for remote.



All types of Configurations, define by yourself.

<p>All kinds of key design aspects, including IT-Rack, precision cooling, UPS, PDU, Battery, Fire system, Monitoring system, it can be configured by yourself. Including but not limited to capacity configuration, redundancy configuration, software modifications, etc.</p>		<p>Various Types Cooling</p> <p>2.5-5.5kW Top mount cooling system 3.9-12kW Rack mount cooling system 5.6-10.8kW Inrow packaged cooling system 5.6-90kW Inrow split cooling system.</p>
<p>IP55 Rack</p> <p>Two different widths(600/800mm) and three different heights (24U,33U and 42U)</p> 		<p>Rack Mount / Modular UPS</p> <p>3kVA~60kVA rack UPS 60-200kVA modular UPS rack mount 250-600kVA modular UPS floor mount.</p>
		<p>48VDC Modular Rectifier</p> <p>60A~1200A 48VDC rectifier, with rectifier module / Solar module</p>
		<p>VRLA / Lithium Batteries</p> <p>Compact size in-rack design. High performance, high efficiency.</p>
		<p>Basic / Smart PDU</p> <p>Max 42bits / 63A input current, With environmental monitoring, power monitoring, control, management, protection and other functions.</p>

Additional Options

 <p>Video Surveillance System</p>	 <p>Rack mount fire System</p>	 <p>Early Fire Detection System</p>
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Technical Data: IEC Power – 230V/1P/50~60Hz | 400V/3P/50~60Hz

Product Model	ATP-03N	ATP-03W	ATP-06E	ATP-06M	ATP-06T	ATP-06F	ATP-06K	ATP-10S	ATP-10G	Configured
Space for IT-U	18U	19U	26U	27U	29U	35U	35U	35U	35U	<= 10 * 42U
Power for IT-KW	2.0	2.4	3.0	3.5	3.5	5.0	5.0	7.0	7.0	<= 15kW/Rack
Redundancy	N	N	N	N	N	N	N	N	N	N / N+1 / 2N
Width -mm	600	600	600	600	600	900	900	900	900	Per Definition
Depth -mm	1100	1100	1100	1200	1200	1200	1200	1200	1200	1200
Height -mm	1200	1590	2000	2000	2000	2000	2000	2000	2000	2000
Weight -kg	166	180	310	362	352	501	511	505	515	Per Definition
IP Level	IP55	IP55	IP55	IP55	IP55	IP55	IP55	IP55	IP55	IP55
Input Power	220-240V/ 1P/50Hz	220-240V/ 1P/50Hz	220-240V/ 1P/50Hz	220-240V/ 1P/50Hz	220-240V/ 1P/50Hz	220-240V/ 1P/50Hz	220-240V/ 1P/50Hz	220-240V/ 1P/50Hz	220-240V/ 1P/50Hz	220-240V/ 1P/50Hz or 318-415V/ 3P/50-60Hz
Breaker Size	16A	32A	63A	63A	63A	63A	63A	63A	63A	Per Definition
Power Section										
UPS -kVA	3.0	3.0	6.0	6.0	6.0	6.0	6.0	10.0	10.0	3kVA - 200kVA
UPS Type	Rack	Rack	Rack	Rack	Rack	Rack	Rack	Rack	Rack	Rack / Modular
Standard Battery	12V/9AH 16Pcs	12V/9AH 16Pcs	12V/9AH 16Pcs	12V/9AH 16Pcs	12V/9AH 16Pcs	12V/9AH 16Pcs	12V/9AH 16Pcs	12V/9AH 16Pcs	12V/9AH 16Pcs	<= 4hours backup time
Surge Protection	√	√	√	√	√	√	√	√	√	Per Definition
Power Panel	√	√	√	√	√	√	√	√	√	Per Definition
PDU	Basic 8 Slots	Basic 8 Slots	Basic 16 Slots	Basic 16 Slots	Basic 16 Slots	Basic 16 Slots	Basic 16 Slots	Basic 16 Slots	Basic 16 Slots	Basic / Smart(Opt.)
Cooling Section										
Cooling Type	Fan Ventilation	Packaged DX	Packaged DX	Package DX	Split DX	Split DX	Packaged DX	Split DX	Packaged DX	Packaged DX / Split DX / Chilled Water
Mount Type	Top	Top	Top	Rack	Rack	Row	Row	Row	Row	Row / Rack / Top
Capacity-kW	2.0	3.5	3.5	3.5	3.9	5.6	5.6	7.6	7.6	3.9-90kW
Emergency Ventilation	√	√	√	√	√	√	√	√	√	√
DCIM Section										
Local Display	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen
Remote Access	Web Access	Web Access	Web Access	Web Access	Web Access	Web Access	Web Access	Web Access	Web Access	Web Access / Email / SMS(Opt.)
Reporting Protocol	Modbus-TCP	Modbus-TCP	Modbus-TCP	Modbus-TCP	Modbus-TCP	Modbus-TCP	Modbus-TCP	Modbus-TCP	Modbus-TCP	Modbus-TCP / SNMP(Opt.)
UPS Mgmt.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cooling Mgmt.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Temp. & Hum. Sensor	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Fire Sensor	Smoke	Smoke	Smoke	Smoke	Smoke	Smoke	Smoke	Smoke	Smoke	Smoke
Water Sensor	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Door Sensor	Front/Rear	Front/Rear	Front/Rear	Front/Rear	Front/Rear	Front/Rear	Front/Rear	Front/Rear	Front/Rear	Front / Rear
Security Section										
Access Control	RFID/Finger/PIN	RFID/Finger/PIN	RFID/Finger/PIN	RFID/Finger/PIN	RFID/Finger/PIN	RFID/Finger/PIN	RFID/Finger/PIN	RFID/Finger/PIN	RFID/Finger/PIN	RFID/Finger/PIN
Video Surveillance	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Fire Fighting Section										
Fire Extinguisher	FM200 Rack Module (Opt.)	FM200 Rack Module(Opt.)	FM200 Rack Module(Opt.)	FM200 Rack Module(Opt.)	FM200 Rack Module(Opt.)	FM200 Rack Module(Opt.)	FM200 Rack Module(Opt.)	FM200 Rack Module(Opt.)	FM200 Rack Module(Opt.)	FM200 Rack Module (Opt.)
Early Detection	Vesda (Opt.)	Vesda (Opt.)	Vesda (Opt.)	Vesda (Opt.)	Vesda (Opt.)	Vesda (Opt.)	Vesda (Opt.)	Vesda (Opt.)	Vesda (Opt.)	Vesda (Opt.)

PDU can be customized with intelligent type and different sockets.
Other configuration is accepted to customize per project requirements.

Technical Data: US Power – 208V/2P/50~60Hz | 208/3P/50~60Hz

Product Model	ATP-03N	ATP-03W	ATP-06E	ATP-06M	ATP-06T	ATP-06F	ATP-06K	ATP-10S	ATP-10G	Configured
Space for IT-U	18U	18U	25U	26U	28U	34U	34U	32U	32U	<= 10 * 42U
Power for IT-kW	2.0	2.4	3.0	3.5	3.5	5.0	5.0	7.0	7.0	<= 15kW/Rack
Redundancy	N	N	N	N	N	N	N	N	N	N / N+1 / 2N
Width -mm	600	600	600	600	600	900	900	900	900	Per Definition
Depth -mm	1100	1100	1100	1200	1200	1200	1200	1200	1200	1200
Height -mm	1200	1590	2000	2000	2000	2000	2000	2000	2000	2000
Weight -kg	166	180	310	362	352	501	511	505	515	Per Definition
IP Level	IP55	IP55	IP55	IP55	IP55	IP55	IP55	IP55	IP55	IP55
Input Power	110-120V/ 1P/60Hz	208-240V/ 2P/60Hz	208-240V/ 2P/60Hz	208-240V/ 2P/60Hz	208-240V/ 2P/60Hz	208-240V/ 2P/60Hz	208-240V/ 2P/60Hz	208-240V/ 2P/60Hz	208-240V/ 2P/60Hz	208-240V/ 2P/60Hz or 200-230V/ 3P/50-60Hz
Breaker Size	16A	32A	63A	63A	63A	63A	63A	63A	63A	Per Definition
Power Section										
UPS -kVA	3.0	3.0	6.0	6.0	6.0	6.0	6.0	10.0	10.0	3kVA - 200kVA
UPS Type	Rack	Rack	Rack	Rack	Rack	Rack	Rack	Rack	Rack	Rack / Modular
Standard Battery	12V/9AH 16Pcs	12V/9AH 16Pcs	12V/9AH 16Pcs	12V/9AH 16Pcs	12V/9AH 16Pcs	12V/9AH 16Pcs	12V/9AH 16Pcs	12V/9AH 16Pcs	12V/9AH 16Pcs	<= 4hours backup time
Surge Protection	√	√	√	√	√	√	√	√	√	Per Definition
Power Panel	√	√	√	√	√	√	√	√	√	Per Definition
PDU	Basic 8 Slots	Basic 8 Slots	Basic 16 Slots	Basic 16 Slots	Basic 16 Slots	Basic 16 Slots	Basic 16 Slots	Basic 16 Slots	Basic 16 Slots	Basic / Smart(Opt.)
Cooling Section										
Cooling Type	Fan Ventilation	Packaged DX	Packaged DX	Package DX	Split DX	Split DX	Packaged DX	Split DX	Packaged DX	Packaged DX / Split DX / Chilled Water
Mount Type	Top	Top	Top	Rack	Rack	Row	Row	Row	Row	Row / Rack / Top
Capacity-kW	2.0	3.5	3.5	3.5	3.9	5.6	5.6	7.6	7.6	3.9-90kW
Emergency Ventilation	√	√	√	√	√	√	√	√	√	√
DCIM Section										
Local Display	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen
Remote Access	Web Access	Web Access	Web Access	Web Access	Web Access	Web Access	Web Access	Web Access	Web Access	Web Access / Email / SMS(Opt.)
Reporting Protocol	Modbus-TCP	Modbus-TCP	Modbus-TCP	Modbus-TCP	Modbus-TCP	Modbus-TCP	Modbus-TCP	Modbus-TCP	Modbus-TCP	Modbus-TCP / SNMP(Opt.)
UPS Mgmt.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cooling Mgmt.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Temp. & Hum. Sensor	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Fire Sensor	Smoke	Smoke	Smoke	Smoke	Smoke	Smoke	Smoke	Smoke	Smoke	Smoke
Water Sensor	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Door Sensor	Front/Rear	Front/Rear	Front/Rear	Front/Rear	Front/Rear	Front/Rear	Front/Rear	Front/Rear	Front/Rear	Front / Rear
Security Section										
Access Control	RFID/Finger/PIN	RFID/Finger/PIN	RFID/Finger/PIN	RFID/Finger/PIN	RFID/Finger/PIN	RFID/Finger/PIN	RFID/Finger/PIN	RFID/Finger/PIN	RFID/Finger/PIN	RFID/Finger/PIN
Video Surveillance	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Fire Fighting Section										
Fire Extinguisher	FM200 Rack Module (Opt.)	FM200 Rack Module(Opt.)	FM200 Rack Module(Opt.)	FM200 Rack Module(Opt.)	FM200 Rack Module(Opt.)	FM200 Rack Module(Opt.)	FM200 Rack Module(Opt.)	FM200 Rack Module(Opt.)	FM200 Rack Module(Opt.)	FM200 Rack Module (Opt.)
Early Detection	Vesda (Opt.)	Vesda (Opt.)	Vesda (Opt.)	Vesda (Opt.)	Vesda (Opt.)	Vesda (Opt.)	Vesda (Opt.)	Vesda (Opt.)	Vesda (Opt.)	Vesda (Opt.)

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