



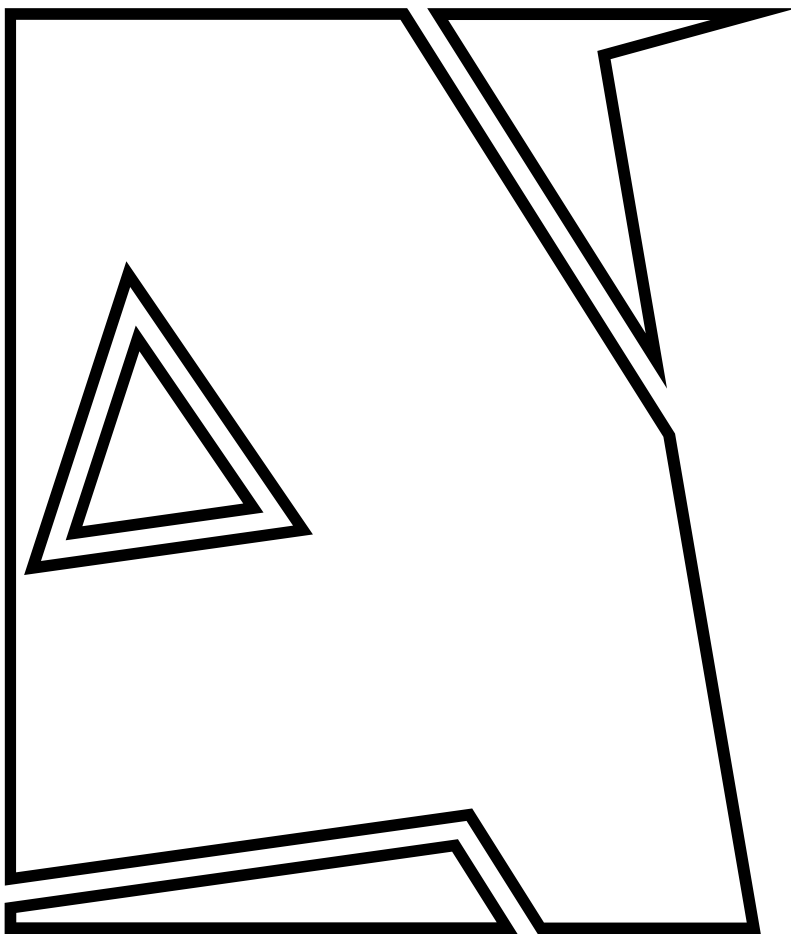
**ARIET**

# ABELLION M200 50 kW

## Three-phase modular UPS

Modular UPS system

Online double conversion



Data centers



Medical facilities



Telecommunications systems



Industrial enterprises



Financial systems



Commercial properties

**The three-phase modular UPS** is an online solution with pure double conversion that provides stable power quality and protection.

It features high efficiency and low harmonic distortion, and is equipped with **DSP control** for reliable operation of the rectifier, inverter, and batteries.

The device features a wide range of input parameters, an intelligent self-diagnostic system, backup cooling, flexible cable connection options, and a built-in flame-retardant dust filter that meets **UL94** and **UL900** standards.



## SCENARIOS

Providing uninterruptible power supply for servers, data storage systems and network equipment

Protection of switches, routers, and data transmission equipment

Stable power supply for critical financial systems and transaction platforms

## BENEFITS


<p><b>3P/3P</b> online solutions with pure double conversion support the <b>380/400/415V, 50/60Hz</b> power grid system, ensuring ideal power quality.</p>	<p><b>High performance</b> and efficiency, input power factor <b>&gt;0.99</b>, <b>THDi &lt;3%</b>, efficiency <b>&gt;96%</b>.</p>
<p><b>Full DSP control</b>, flexible and reliable digital control of the rectifier, inverter, and battery.</p>	<p><b>Wide voltage and frequency range</b>, adapts to various voltage fluctuations from the grid or generator.</p>
<p><b>Intelligent self-diagnostics</b> for the UPS and batteries, large memory capacity for storing history.</p>	<p><b>The design of the redundant fan</b> in the power module improves the reliability and stability of the system.</p>
<p><b>Flexible connection options</b> — Top or bottom cable entry is possible.</p>	<p>Built-in, cleanable, and fire-resistant dust filter. <b>UL94</b> and <b>UL900</b> compliant.</p>


# Modular UPS system

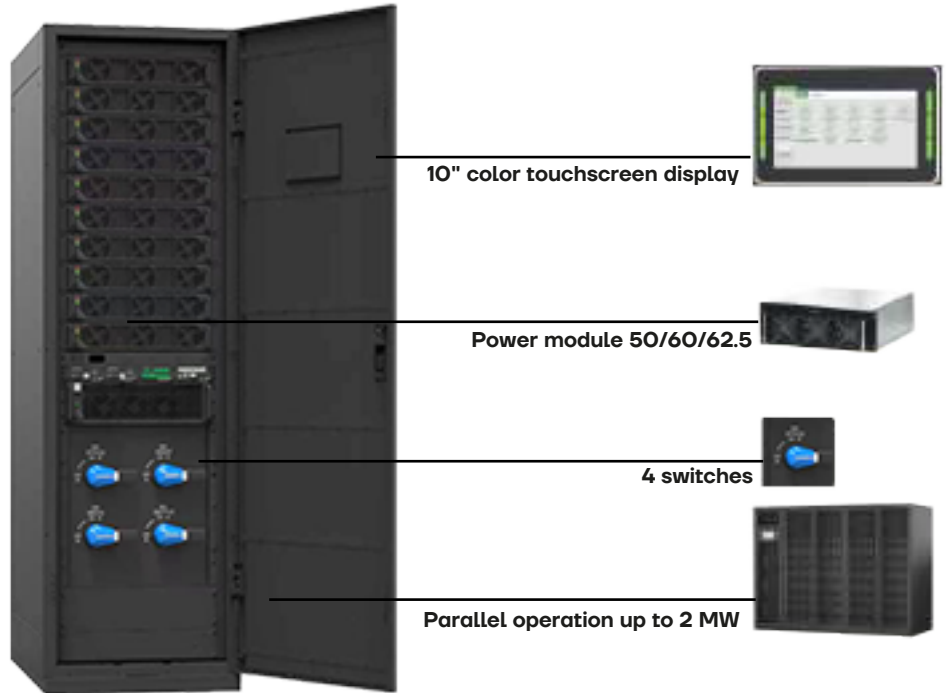
 Upward blowing option

 Efficiency 96%

 Power factor 1

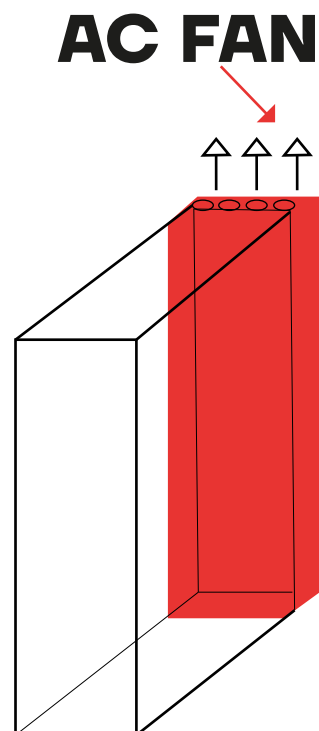
 Lithium battery support

 IoT function



## AC FAN

included **Air exhaust system** allows the **UPS** to be mounted flush against a wall to save space.



Cabinet with upper air exhaust kit.

# Technical specifications

MODEL	M200
Nominal power	200 kVA
Power module capacity	50 kW
<b>Input</b>	
Phase	3P5W (3P+N+PE)
Nominal voltage	380/400/415 VAC (L-L); 220/230/240 VAC(L-N)
Voltage range	138–485 VAC At 40°C: The UPS operates at full load at 323–485 VAC and operates at reduced power at 323–138 VAC. At 30°C: The UPS operates at full load at 305–485 VAC and operates at reduced power at 305–138 VAC
Nominal frequency	50/60 Hz
Input power factor	≥0,99
THDI	≤3% (full linear load)
<b>Bypass input</b>	
Nominal voltage	380/400/415 VAC (L-L); 220/230/240 VAC (L-N)
Voltage range	Range: -40% +25%, adjustable, default -20%~+15%
<b>Battery</b>	
Nominal voltage	±192VDC (360-528VDC, 30-44pcs, default 32pcs)
Voltage accuracy	± 1%
<b>Output</b>	
Voltage range	380/400/415 VAC (L-L); 220/230/240 VAC (L-N)
Frequency range	50/60 Hz
Power factor	1
Voltage accuracy	±1,0%
Frequency accuracy	50/60 Hz ± 0,1%
Frequency tracking range	Adjustable, ± 0.5 Hz ± 5 Hz; ± 3 Hz
THD	<1% (linear load), <4% (non-linear load according to IEC 62040-3)
Crest factor	3:1
Overload	110%, 1 hour; 125%, 10 minutes; 150%, 1 minute;> 150%, 200 ms.
<b>Other</b>	
System efficiency	Normal mode ≥96%; Battery mode ≥96%
Display	10-inch LED touch screen
Protection class	IP20
Communication	USB, RS232, RS485, dry contact, cold start, air
<b>Options - interface</b>	SNMP card, AS400 card, parallel kit, SPD, LBS
<b>Environment</b>	
Operation Temperature	0~40°C (operation); -25°C~70°C (storage)
Humidity	0–95% (non-condensing)
Noise	72 dB at 100% load, 69 dB at 45% load
<b>Certification - EMS</b>	IEC 62040-2; IEC 61000-4-2 (ESD); IEC 61000-4-3 (RS); IEC 61000-4-4 (EFT); IEC 61000-4-5 (Surge)
<b>Certification - Safety</b>	IEC 62040-1, IEC 60950-1
<b>Physical</b>	
Dimensions (W*D*H) mm	600*850*2000