



ARIET

ABELLION M3360H

Module 15 kVA

Three-phase modular UPS

Rack/Tower type

Online double conversion



Data centers



Medical facilities



Telecommunications systems



Industrial enterprises



Financial systems



19"
Installation in a 19-inch rack

The three-phase modular UPS features a frame-based design and is suitable for a standard 19-inch rack cabinet.

Three-level architecture and **DSP** digital control ensure stable, pure sine-wave power output over a wide input voltage range.

The system supports **N+X** redundancy, a power factor of **1**, flexible battery configuration, multiple communication interfaces, and intelligent battery management to enhance reliability and extend battery life.



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

Online double-conversion with three-level technology provides stable and clean power with low distortion and high efficiency.

N+X redundancy allows the installation of additional modules, ensuring continuous system operation even if one of them fails.

Full DSP control, flexible and reliable digital control of the rectifier, inverter, and battery.

Wide voltage and frequency range, adapts to various voltage fluctuations from the grid or generator.

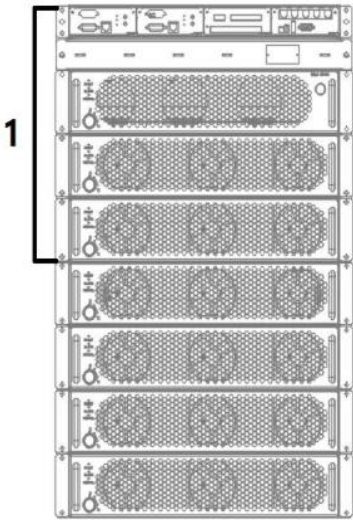
Intelligent battery management monitors battery status and optimizes charging and discharging, preventing overheating and wear, thereby improving reliability and extending battery life.

The 7-inch color touchscreen with an intuitive graphical interface provides convenient monitoring of parameters and easy UPS configuration.

Modular UPS system

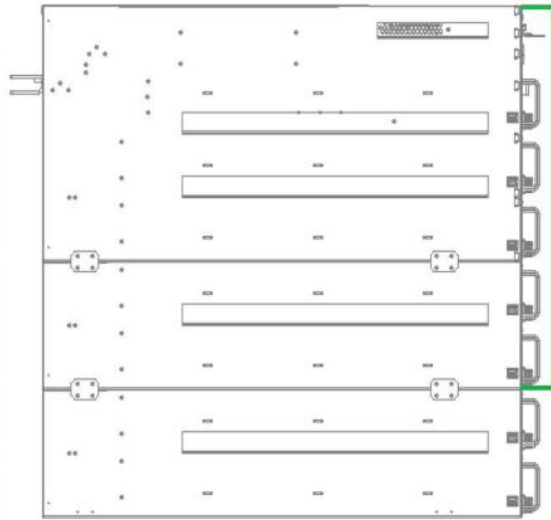
Example with 6 slots

front view



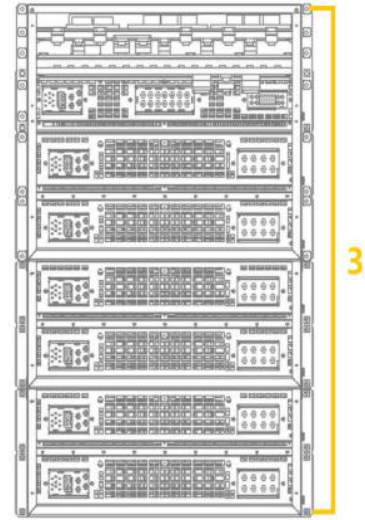
(1) 2 slot cabinet

side view

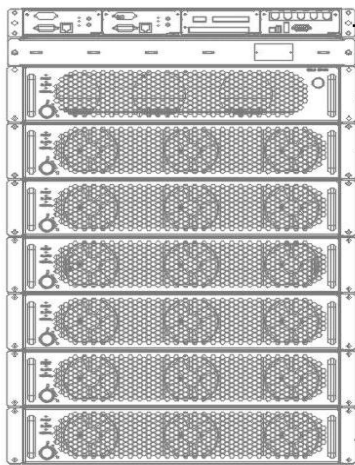


(2) 4 slot cabinet

rear view



(3) 6 slot cabinet



4

(4) Monitoring module: ECU unit, dry contact unit, monitor unit, communications unit

5

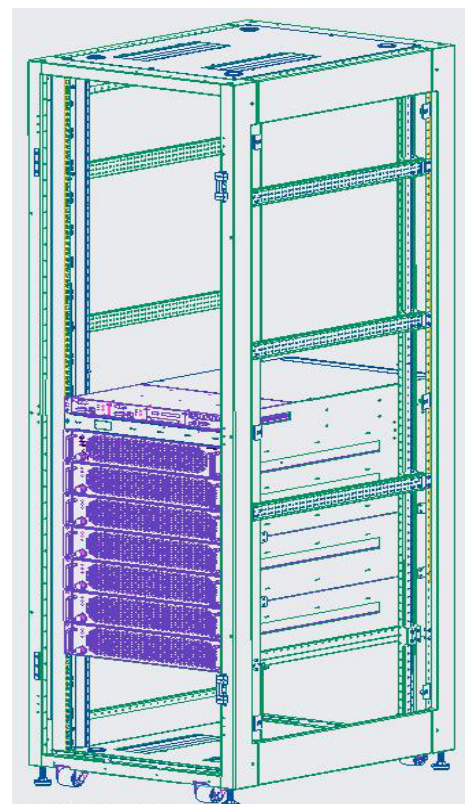
(5) Bypass module

6

(6) Power module

front view
(example with 6 slots)

Can be installed in a standard 19-inch server cabinet



Technical specifications

| MODEL | | M60 |
|----------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Capacity | Frame | 60 kVA |
| | Module | 15 kVA |
| Number of modules | | 4 |
| Input | | |
| Phase | | 3 Phase 4 Wires and Ground |
| Nominal voltage | | 380/400/415 V _{AC} |
| Voltage range | | 138–485 V _{AC} At 40°C: The UPS operates at full load at 323–485 V _{AC} and operates at reduced power at 323–138 V _{AC} . At 30°C: The UPS operates at full load at 305–485 V _{AC} and operates at reduced power at 305–138 V _{AC} |
| Frequency Range | | 40/70 Hz |
| Input power factor | | ≥0,99 |
| THDi | | ≤3% (full linear load), ≤5% (at 100% nonlinear load) |
| Bypass voltage range | | Max. voltage: 220 V: +25% (optional: +10%, +15%, +20%); 230 V: +20% (optional: +10%, +15%); 240 V: +15% (optional: +10%) Minimum voltage: -45% (optional: -10%, -20%, -30%) |
| Frequency protection range | | ±10% |
| Generator access | | Yes |
| Battery | | |
| Voltage | | ±180 V / ±192 V / ±204 V / ±216 V / ±228 V / ±240 V / ±252 V / ±264 V / ±276 V / ±288 V / ±300 V DC (30/32/34/36/38/40/42/44/46/48/50 pcs., optional) |
| Charging Current | UPS Cabinet | Maximum 40 A |
| | UPS Module | 5 A Max. |
| Output | | |
| Phase | | 3 Phase 4 Wires and Ground |
| Nominal voltage | | 380/400/415 V _{AC} |
| Power factor | | 1 |
| Регулировка напряжения | | 1% |
| Frequency | Utility Mode | ±1% / ±2% / ±4% / ±5% / ±10% of the nominal frequency (optional) |
| | Battery Mode | 50/60 Hz ± 0,1% |
| Крест-фактор | | 3:1 |
| THD | | ≤ 2% linear load, ≤ 4% non-linear load |
| Efficiency | | 96% |
| Overload | | ≤110%: transfer to bypass after 60 min; ≤125%: transfer to bypass after 10 min; ≤150%: transfer to bypass after 1 min. |
| Transfer time | | Utility → Battery: 0 ms; Utility→ Bypass: 0 ms |
| Protection | | |
| Alarm | | overload, power supply failure, UPS fault, low battery, etc. |
| Protection | | short circuit, overload, overheating, low battery, fan failure |
| Communication Interface | | RS485, dry contact, SNMP card (optional) |
| Environment | | |
| Operating temperature | | 0~40°C (work) |
| Storage temperature | | -25°C ~ 55°C (without battery) |
| Humidity | | 0–95% (without condensation) |
| Installation altitude | | < 1500 m |
| Noise level | | <70 dB |
| Physical parameters | | |
| Dimensions (W*D*H) mm | Frame | 850×485×827 |
| | Module | 620×440×86 |
| Nee Weight (kg) | Frame | 75 |
| | Module | 19,5 |
| Стандарты | | EN62040–1, EN62040–2, EN62040–3 |