Medical Grade Uninterruptible Power System

NEW

AXON-mPOWER-R10

With 12V/15V/19V/24V configurable power outputs to support diverse POC and medical peripherals

Features

- In-line DCUPS (no latency in power transfer)
- Built-in 300W medical grade power
- Dual configurable DC output
- DC out 1: 12V/15V/19V/24V (Max: 100W*)
- DC out 2: 12V/15V/19V/24V (Max: 100W*)
  * DC out 1 + DC out 2 ≤ 125W
- USB C:5V/3A (Max: 15W)
- Plug & Play - recognized as UPS by operating system via USB
- Extended functionality by UPS management software
- Support SNMP service for remote monitoring

Fanless	Power APP	Certification	High capacity batteries	Fast charge	SNMP	Configurable DC output

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⟫ 24/7 Non-stop system protection

Up to three hot-swappable batteries provide uninterrupted power protection. Keep your systems running smoothly with up to 3 hot-swappable battery packs, ensuring no downtime.

● Inline DC UPS
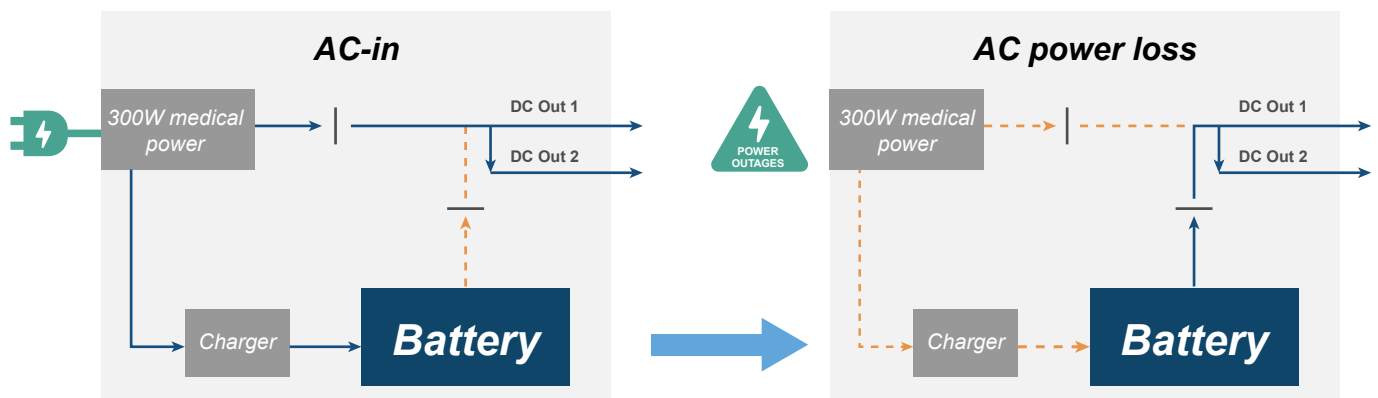
● Optional battery packs

	IEI TC-202GA	IEI TC-202
P/N	31603-000106-RS	31603-000069-RS
Cell type	3.6V NCR	3.7V ICR
Typical Capacity	9000 mAh 97.2 Wh	7800 mAh 87 Wh
Nominal Voltage	10.8V	11.1V
Maximum Charge Current	5.025 A	4 A
Maximum Discharge Current	7.5 A	7 A

● High-capacity Lithium-ion battery pack

Enjoy reliable performance with a high-capacity Lithium-ion battery pack capacity of 7,800mAh (87Wh) or 9,000mAh (97Wh), delivering up to 100W DC output and easy maintenance. The batteries is also compatible with IEI POCm/MPOCm/POCi series products.
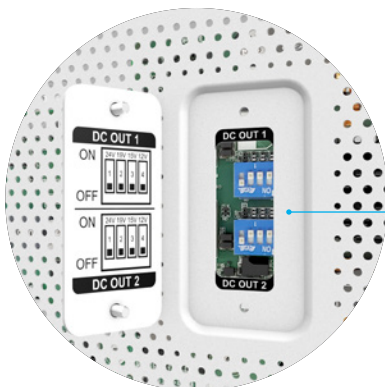
● Fast Charging Design

Save time with fast charging capabilities that reducing charging time from 0% to 100% to less than 3.5 hours. It can be a UPS or a portable battery charging station, ensuring that your system is always ready when you need it.

》 Dual configurable DC output
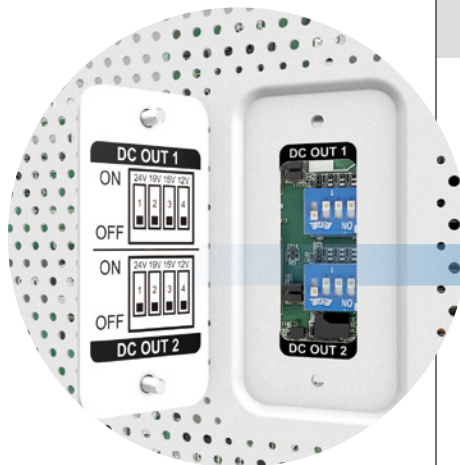
Voltage switch for
12V/15V/19V/24V

USB Type C
(Max:15W)

DC out 1
(Max:100W)

DC out 2
(Max:100W)

● User configurable DC output

Customize and protect your devices with the ability to configure the DC output to meet your specific needs with the option to set the DC output to 12V, 15V, 19V, or 24V, ensuring protection for various devices.

Support medical peripherals

Portable, supplying power for external devices

Barcode reader

DC output:
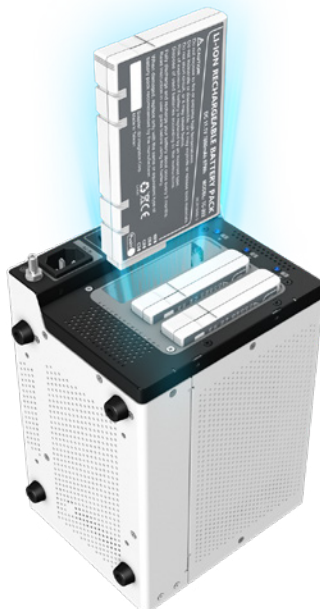
12V/15V/19V/24V

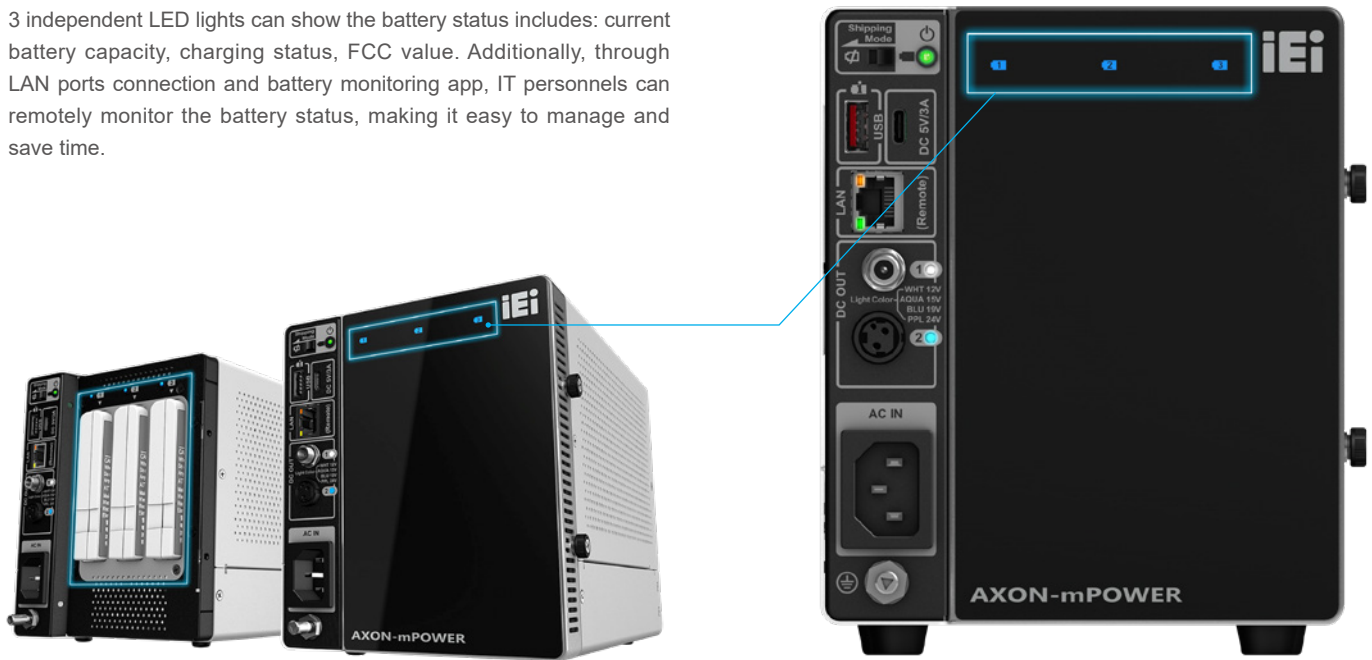Thermal printer

Card reader

● Easy placement with VESA 100

This product is equipped with a wall mount kits and is compatible with VESA mount 100. It can be placed with medical equipment or on a medical cart, with its design facing upwards, allowing for battery replacement easier and convenient I/O access for wiring and storage.
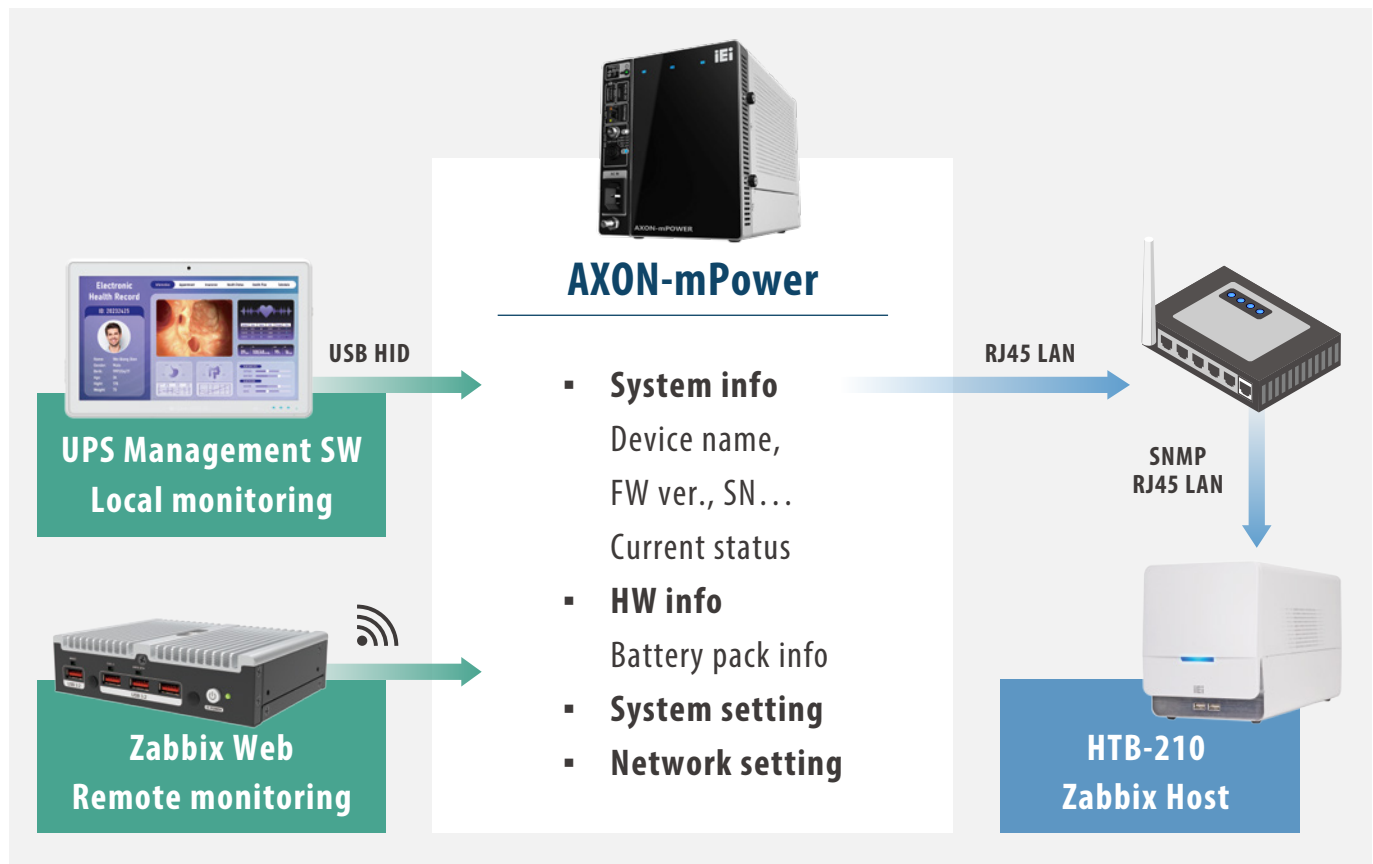
Real-time Battery Monitoring

3 independent LED lights can show the battery status includes: current battery capacity, charging status, FCC value. Additionally, through LAN ports connection and battery monitoring app, IT personnels can remotely monitor the battery status, making it easy to manage and save time.

Local & Remote Data Query

UPS Management SW Local monitoring

Zabbix Web Remote monitoring

USB HID

AXON-mPower

- **System info**
  Device name,
  FW ver., SN…
  Current status
- **HW info**
  Battery pack info
- **System setting**
- **Network setting**

RJ45 LAN

SNMP RJ45 LAN

HTB-210 Zabbix Host

» Remote control the batteries

Battery Monitoring App is a user-friendly app that helps IT personnel remotely manage the battery status of products. It can be directly opened on the device to check the current battery status, and it can also through the network via a central control center to monitor the AXON-mPOWER battery status throughout the hospital. The App helps to manage batteries, easy to replace old ones, and ensuring they are functioning properly no longer a time-consuming task.

IEI Battery Monitoring App (Host)

IEI Battery Monitoring App (Client)

IT Center

LAN port:
Connecting the Ethernet to remote control the battery status.

» Applications

Mobile Nursing Station

Telemedicine

Operating Room

AXON-mPOWER-R10
Dimensions *(Unit: mm)*
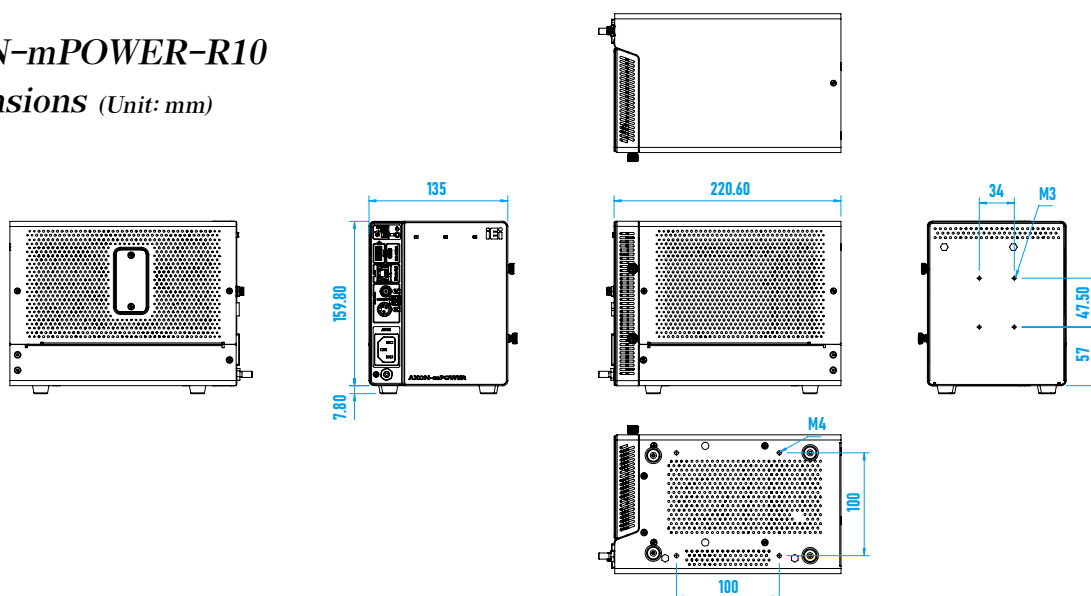
Specifications

Model		AXON-mPOWER-R10
I/O	I/O	1 x LAN: Web-based, specification 10/100Mbps with RJ-45 connection, Cat. 5 cable 2 x DC outputs DC out 1: 12V/15V/19V/24V (Max: 100W*) DC out 2: 12V/15V/19V/24V (Max: 100W*) * DC out 1 + DC out 2 ≤ 125W 1 x USB Type C: 5V/ 3A (Max: 15W) 1 x USB Type A (HID) 1 x AC-in: C13 connector 1 x Power on/off button
LED Indicator	LED Indicator	1 x System Status LED 3 x Battery LED 2 x DC Output LED
Physical	Thermal	Smart Fan
	Mounting	VESA 100 x 100 mm
Battery	Battery Pack Type	3 x 3S3P cells Lithium-ion Battery
	Battery Pack Capacity	3 x 9000 mAh (3 x 97Wh) 3 x 7800 mAh (3 x 87Wh)
	Normal Voltage	10.8 V
	Battery Life Time	260 cycles > 70%
	Charge Voltage	12.6 V
	Continuous Charge Current	2 A for each battery
	Continuous Discharge Current	5 A (each battery pack Discharge Power < 55.5W at 40°C)
	Maximum Discharge Current	7 A (each battery pack Discharge Power < 77.7W at 25°C)
	Discharge Cut-off Voltage	9 V
Power	Input	100 – 240 VAC
	Built-in Power Supply	300W medical
Environment	Operating Temperature	0°C – 40°C
	Storage Temperature	-20°C – 60°C
	Humidity	10% – 95% (non-condensing)
	Vibration	1G
	Operating shock	5G peak acceleration (11ms duration)
	Non-operating shock	15G peak acceleration (11ms duration)
Certification	EMC & Safety	FCC Part15B EN 62368-1 Ed.2 (60601-1 Compatible) EN 55032 + EN 55035 (60601-1-2 Compatible) Battery Pack: UN38.3, IEC62133, IEC62368-1

Mouser Electronics

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