

iPS-M420S

420 Wh Industrial Power Storage System with Lithium-Iron Phosphate Cell

Preliminary



Features

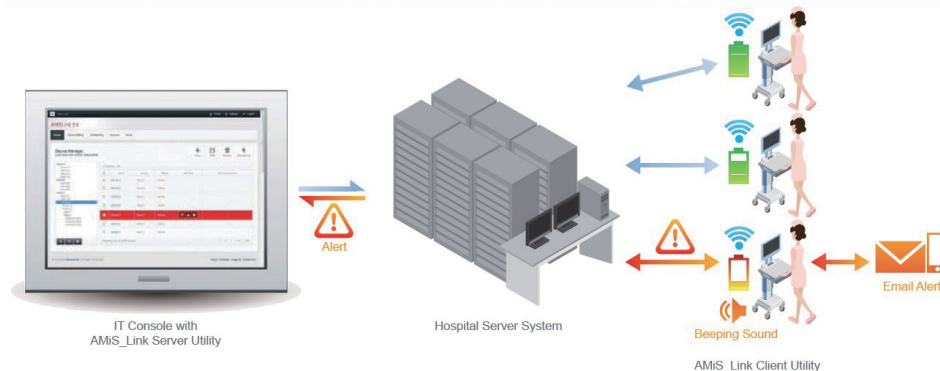
- Contains environmentally-friendly, long lifecycle rechargeable batteries
- 170W DC output for integration of various devices
- Fanless design for hospital environment
- Swappable battery pack design for quick and easy replacement
- 2 V_{DC} output with simultaneous power support
- Safety protection prevents against over charge and discharge
- "AMiS_Link" software solution for remote battery management



Specifications

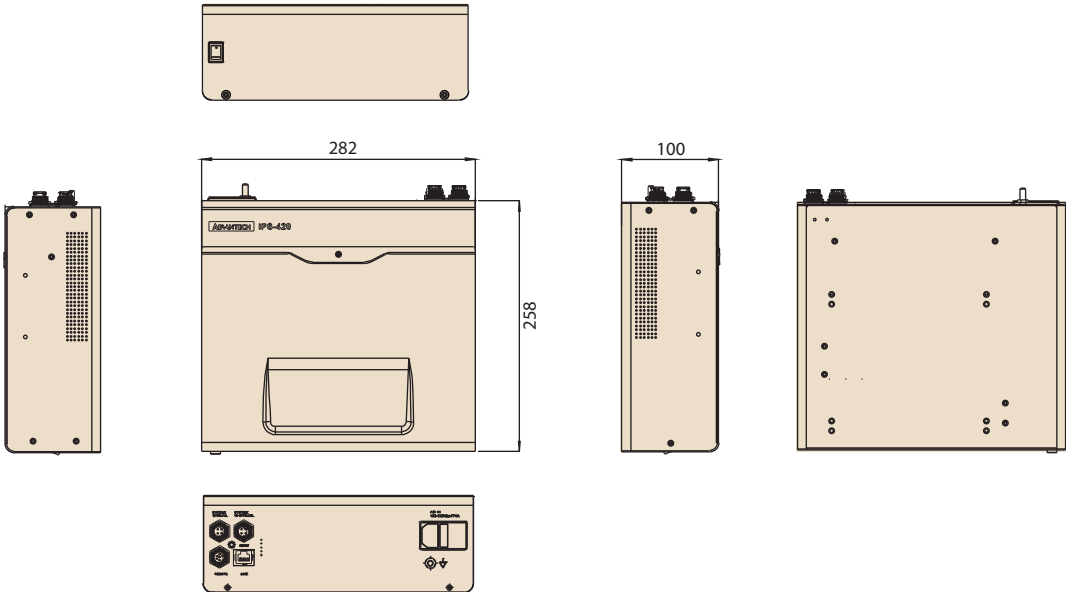
| | | |
|---------------------------|----------------------------|---|
| Power Supply | Battery Type | Lithium-Iron Phosphate (LFP) |
| | Battery Capacity | 420 Wh |
| | Battery Lifespan | DOD 80%, 2000 cycles |
| | Charge Time | < 3 hr. DOD 100% |
| | Input Voltage | 100 ~ 240 V _{AC} , 50 ~ 60 Hz, Max 4.5 A |
| | DC Output Voltage | System 1: 19 V _{DC} , Max. 6 A System 2: 12 V _{DC} , Max. 5 A |
| | Charging Status Indicators | LEDs with continuous readout; intelligent software |
| I/O Ports | DC Output Interface | DC jack (4-pin locking mini-din connector) |
| | Communication Interface | RS-232 |
| Environment | Vibration | 5 ~ 500 Hz 1 G |
| | Operating Temperature | 30° C |
| | Cooling System | Fanless |
| | Water Resistance | IP67 DC output connector |
| Physical Characteristics | Dimensions | 282 x 260 x 101 mm (11.1" x 10.2" x 3.9") |
| | Weight | 8 kg |
| Power Management Software | AMiS_Link | Battery capacity indicator Alerts (battery capacity, temperature, warning) Battery life cycle statistics Report & log file Client installation & server installation (Optional) Multi-language support, including Traditional Chinese, Simplified Chinese, English, German and Dutch |
| Certifications | | CE, FCC Class B certified, CCC |

AMiS_Link Software Solution for Remote Battery Management



Dimensions

Unit: mm



Ordering Information

| Part Number | Cell Type | Battery Capacity | Lifecycle | Charge time | Weight | Remarks |
|------------------|-----------|------------------|----------------------|------------------|--------|--------------------|
| iPS-M420-LFA-SE | LFP | 420 Wh | DOD 80%, 2000 cycles | < 3 hr. DOD 100% | 8.5 kg | |
| iPS-M420A-LFA-SE | LFP | 420 Wh | DOD 80%, 2000 cycles | < 3 hr. DOD 100% | 8.5 kg | For AMiS cart only |

Rear I/O



1. System 2: 12 V_{DC}, 5 A
2. System 1: 19 V_{DC}, 6 A
3. 6-pin remote control connector
4. RJ-45 (to RS-232) connector
5. AC In and AC On/Off switch
6. AC input switch
7. Ground pole

Packing List (iPS-M420-LFA-SE)

| Part Number | Part Description | Quantity |
|-----------------|-------------------------------|----------|
| 1700020364-01 | 4-pin to Ring Terminal cable | 1 |
| 1700020371-01 | 4-pin to DC Jack cable | 1 |
| IPS-REMT-00-AOE | 6-pin remote control cable | 1 |
| 1700019500 | RJ-45 to RS-232 console cable | 1 |
| 2190000902 | 2-year warranty card | 1 |

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Advantech:](#)

[IPS-M420A-LFA-SE](#)