iPS-M420S

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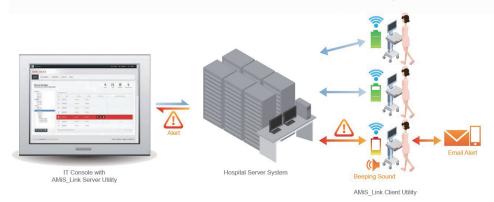
Preliminary

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
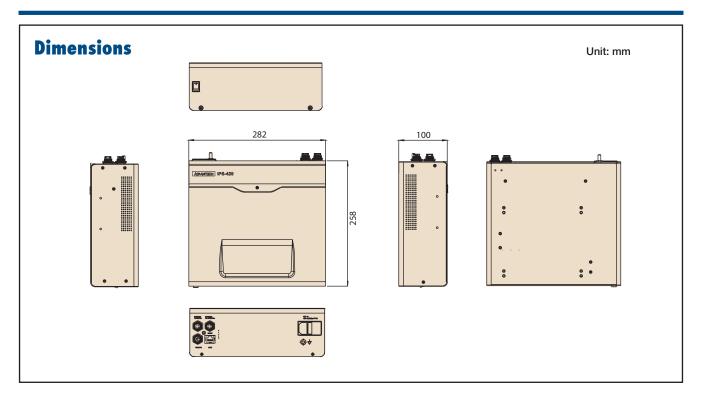- "AMiS_Link" software solution for remote battery management

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 Managemen 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

IT Console with AMiS_Link Server Utility

Hospital Server System

Alert

Email Alert

Beeping Sound

AMiS_Link Client Utility

Dimensions

Unit: mm

282

258

100

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
   100 ~ 240 V_{AC} / F4A
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-A0E	6-pin remote control cable	1
1700019500	RJ-45 to RS-232 console cable	1
2190000902	2-year warranty card	1