

Product Selection Guide

Intelligent Power System



Category		IPS-M420S	IPS-M210S	IPS-M100	POC-IPSM90
Power Supply	Battery Type	Lithium-ion	Lithium-ion	Lithium-ion	Lithium-ion
	Battery Capacity	420Wh	210Wh	200Wh (single power module 100Wh x 2)	90Wh each, Total 270Wh
	Battery Lifespan	Capacity 80%, 2000cycles or 2 years (Depends on which term come first)	Capacity 80%, 1000cycles or 1 year (Depends on which term come first)	500 cycle capacity more than 70%	300 cycle time \geq 70%
	Charge Time	\leq 3hr. 400Wh	\leq 1.5hr 200Wh	0% ~ 80%, 2.5hr 2 power module	Single battery Pack 0~80%: ~90 mins @ (5A Charge) 0~100%: ~ 150 mins Three battery Packs 0~80%: ~270 mins @ (5A Charge, share with three battery pack) 0~100%: ~ 330 mins
	Input Voltage	100 ~ 240 VAC, 50 ~ 60 Hz, Max 4.5 A	100 ~ 240 VAC, 50 ~ 60 Hz, Max 4.5 A	100 ~ 240VAC, 50 ~ 60Hz, Max. 2.5A	100~240V AC
	DC Output Voltage	System 1: 19VDC, Max. 6A System 2: 12VDC, Max. 5A	System 1: 19 VDC, Max. 6 A System 2: 12 VDC, Max. 5 A	System Mode: 19 V \pm 5% (Max. 4.73 A)	12V, 19V, 24V (By DIP switch adjustable)
	Charging Status Indicators	LEDs with continuous readout; intelligent software	LEDs with continuous readout; intelligent software	Discharging LED: green Capacity LED: 30% < green 100% 10% < orange 30% 0% < red flashing 10%	Power button with LED indicator on battery pack; intelligent software
I/O Ports	DC Output Interface	DC jack (4-pin locking mini-din connector)	DC jack (4-pin locking mini-din connector)	DC Jack (4-pin mini lock DIN)	1 x DC-out (M12 5pin female, IP54)
	Communication Interface	RS-232	RS-232	RS-232 (RJ45 Type)	RS-232: COM+USB signal (M12 8pin female, IP54)
Environment	Vibration	5 ~ 500 Hz, 1 G	5 ~ 500 Hz, 1 G	5 ~ 500 Hz 1 G	5 ~ 500 Hz, 1 G
	Operating Temperature	30° C	30° C	30° C	0~35°C
	Cooling System	Fanless	Fanless	Fanless	Fanless
	Water Resistance	IP67 DC output connector	IP67 DC output connector	IPX1, IP67 DC output connector	IP54 DC output connector
Physical Characteristics	Dimensions	282 x 260 x 101 mm (11.1" x 10.2" x 3.9")	282 x 258 x 100 mm (11.1" x 10.2" x 3.9")	Battery: 126 x 50.4 x 266.5 mm (L x W x H) System: 303 x 139 x 210 mm (L x W x H)	563.8x124.8x68.1(74.5)mm
	Weight	8 kg	7 kg	7kg (with 2 Battery Modules)	< 3.5 kg (with three Battery Packs)
Certifications		IEC 60601-1 Compliance, CE, FCC Class B Certified, CCC	IEC 60601-1 Compliance, CE, FCC Class B Certified, CCC	60601-1 compliance; 60601-1-2	Battery Pack: UN38.3, UL, CB, GB, CE IEC60601-1 compliance: POC-W213/POC-W243 with POC-IPSM90
AMiS_Link	Capabilities	Battery capacity indicator Alerts (battery capacity, temperature, warning) Battery life cycle statistics Report & log file Client installation & server installation (Optional) Client installation & server installation (Optional)	Battery capacity indicator Alerts (battery capacity, temperature, warning) Battery life cycle statistics Report & log file Client installation & server installation (Optional) Client installation & server installation (Optional)	Battery capacity indicator Alerts (battery capacity, temperature, warning) Battery life cycle statistics Report & log file Client installation & server installation (Optional) Client installation & server installation (Optional)	POC_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

* Test results by Passmark BatteryMon V2.1 with a minimum of peripherals connected