

Powerful. Beautiful.
Excellence · Innovation

UPS6920C-24



Shanghai Panelmate Electronics Co., Ltd.

24V DC UPS



Features

- Compact aluminium-magnesium alloy profile housing, dust-proof design
- Single side connection, DIN rail wall mount
- DC 24V power supply, industry standard design
- With USB control, set UPS parameters and extend shutdown time
- Max load is 120W
- UPS can supply power for more than 12 minutes at 60W load

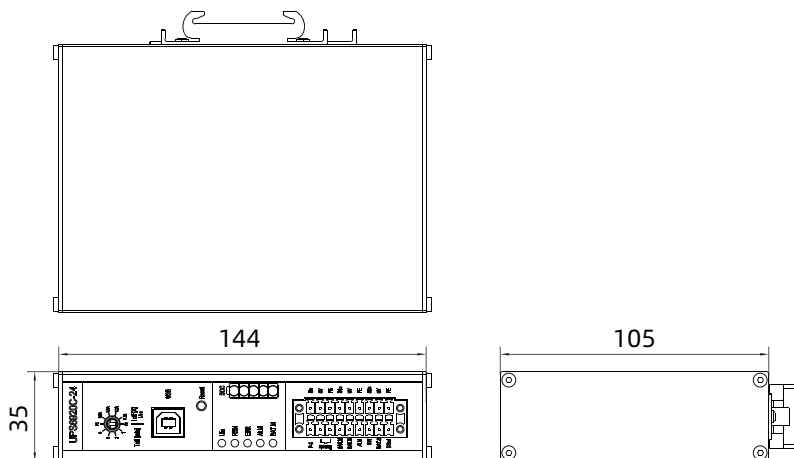
Product Overview

All Box PCs can be configured with 24V DC UPS. UPS6920C-24 can let the box PCs work for a period of time when the main power is turned off abnormally. During the time, it informs the Box PCs to save the current status and data into the hard disk and other memory. The UPS continuous power supply to the box PC after power failure can be set and controlled through the USB port of the UPS connected to the box PC. The DC UPS power module based on the super capacity effectively prevents the loss of important data after a power failure and ensures stable operation throughout the system.

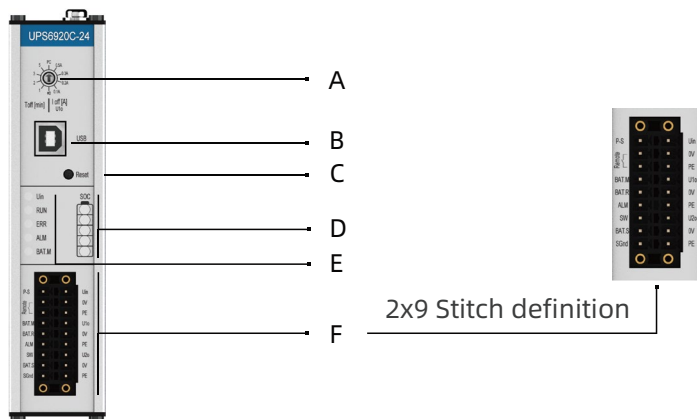
Specifications

Model	UPS6920C-24		
DC_IN	Voltage	DC 24V~26.4V <i>*Affect the charging effect if the input voltage is less than 24V</i>	
	Electricity	7A	
	Protection	Anti-reverse connection, over-voltage protection, EFT±1500V, surge 2000V	
UPS DC_OUT	Voltage	24V	
	Electricity	5A	
	Protection	Overcurrent and overload protection	
Electrical Parameter	No-load power	3W	
	Max power	120W	
	Max Electricity	3A	
	Full time	Work voltage	Full time (min)
		DC 24V ~26.4V	30
	Discharge time	Load power (W)	On-load hold time (s)
30		25	
60		12	
Supercapacitor	capacity	1080 mAh	
	Service life	Charge and discharge 50,000 times	
	IO Voltage	DC 24V	
IO	Isolation mode	Optocoupler	
	Isolation voltage	3.75kV	
	Signal specification	DC 24V/3mA	
Signal Type	DC OK	DC power supply status, relay normally open output	
	Bat.Mode	Battery operated mode, NPN output	
	Bat.Ready	Full battery condition, NPN output	
	SW	Remote switch output, NPN output	
	Remote	Remote power off output, dry contact switch quantity	
	Bat. Start	Forced cell output, NPN input	
	Dev.Psts	the power receiving device operating status, NPN input	
	Communication interface	USB	
	Communication protocol	Modbus RTU	
	Environment	Operating Temperature	-20°C~60°C
Storage Temperature		-40°C~80°C	
Operating Humidity		5~95%	
Mount		DIN-Rail	
Net weight		0.65kg	

Technical Drawings unit:mm



External I/O View



Interface definition:

- A: Working mode code disk E: UPS Operating status light
- B: USB interface F: DI/DO interface
- C: Reset
- D: Battery status indicator

Packing List

USB	1m USB Square extension cord
-----	------------------------------

Note: Package contents are subject to change without prior notice

Pin	Signal	Name	Function
1	Uin	Power Input	DC 24-28V
3	0V	Power Ground	
5	PE	Protected Area	
7	U10	Power Output 1	When There Is No External Power Supply Lithium Battery Output: DC24V±0.5V/6.25A External Power Supply: UIN-2V
9	0V	Power Ground	
11	PE	Protected Area	
13	U20	Power Output 2	When There Is No External Power Supply Lithium Battery Output: DC24V±0.5V/6.25A (Share The Maximum Output Power With Power Supply Output 1). External Power Supply: UIN-2V
15	0V	Power Ground	
17	PE	Protected Area	
2	PS	Control Signal Input	Connect With The Power-On State IO Of The Industrial Computer, Receive The State Change Of The Pulse Edge, Change From High Level To Low Level To Indicate That The Computer Is Shut Down, And Turn Off The UPS After 5 Seconds When It Becomes Low Level.
4	Remote(ENO_OUT1A)	Status Signal Output	Keep Disconnected When The External Power Supply Is Powered, And Close When There Is No Power
6	Remote(ENO_OUT1B)	Status Signal Output	Keep Disconnected When The External Power Supply Is Powered, And Close When There Is No Power
8	Bat.M(EOUT4)	Status Signal Output	Status Signal Output UPS Working Mode Output Signal, Low Level When External Uin Is Powered, High Level 24V When Uin Is Cut Off And Powered by Battery
10	Bat.R(EOUT3)	Status Signal Output	UPS Internal Battery Status Output Signal, High Level When The Charging Capacity Reaches 85% (Configurable), Otherwise Low Level
12	ALM(EOUT2)	Status Signal Output	UPS Alarm Signal, Normally Low Level, When The External Power Supply Fails And The Power Is Lower Than 30% (Configurable), Output High Level 24V
14	SW(EOUT1)	Status Signal Output	UPS Switch Signal, The Default Shutdown Pulse Signal Is Sent After Setting The Shutdown Trigger Power (Default 90%) Or Shutdown Trigger Delay Time (Default 5S)
16	BATS (EDIN2)	Status Signal Input	UPS External Start Signal Status, When There Is A High Level Signal, UPS Keeps Output Until The Battery Power Is Lower Than The Protection Value
18	SGND	Status Signal Input Ground	