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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

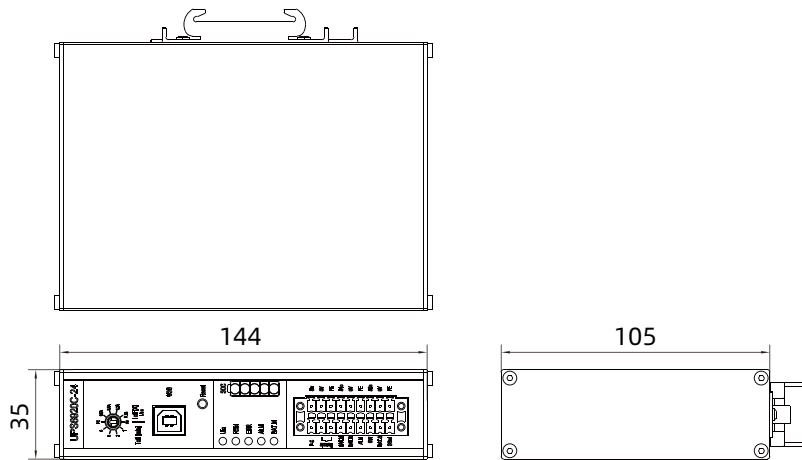
All Box PCs can be configured with 24V DC UPS. UPS6920C-24 can let the box PCs work for a period of time when the main power is turned off abnormally. During the time, it informs the Box PCs to save the current status and data into the hard disk and other memory. The UPS continuous power supply to the 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

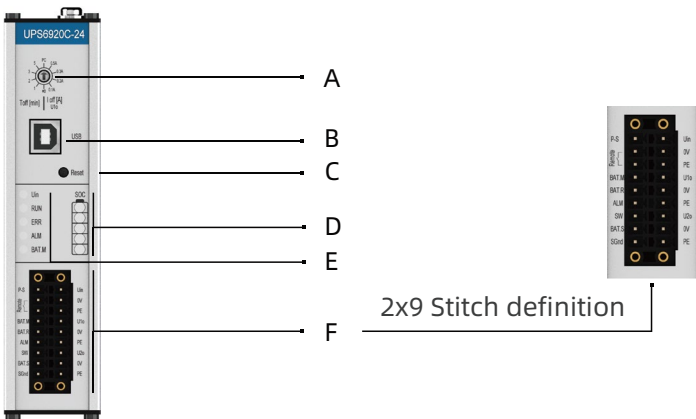
| Model | UPS6920C-24 | | |
|-------------------------|-------------------------|---|---------------------------|
| DC_IN | Voltage | DC 24V~26.4V <i>*Affect the charging effect if the input voltage is less than 24V</i> | |
| | Electricity | 7A | |
| | Protection | Anti-reverse connection, over-voltage 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 |
| | | Load power (W) | On-load hold time (min) |
| | | 30 | 25 |
| Discharge time | | 60 | 12 |
| | | 120 | 5 |
| | | | |
| | | | |
| Supercapacitor | capacity | 1080 mAh | |
| | Service life | Charge and discharge 50,000 times | |
| IO | IO Voltage | DC 24V | |
| | Isolation mode | Optocoupler | |
| | Isolation voltage | 3.75kV | |
| Signal Type | Signal specification | DC 24V/3mA | |
| | 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 | |

UPS6920C-24

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 | P.S | 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 | |