

# SiP-41B/42B

Intelligent industrial UPS box for intelligent power supply systems

## Features

- Intelligent industrial UPS box
- Backup time including safe shutdown
- System monitoring for connected devices (PD)
- Reboot function for PC-based systems
- Operating temperature: -20 °C ~ 70 °C



## SiP-41B/42B: The intelligent power supply system for reliable operation

The SiP-41B/42B from ARBOR Technology is an intelligent power supply system that has been specially developed to reliably support companies in unexpected situations. Especially during power outages and interruptions that can occur in environments such as data centers, data centers, factories and edge computing sites, this innovative supercapacitor UPS backup ensures continuous security.

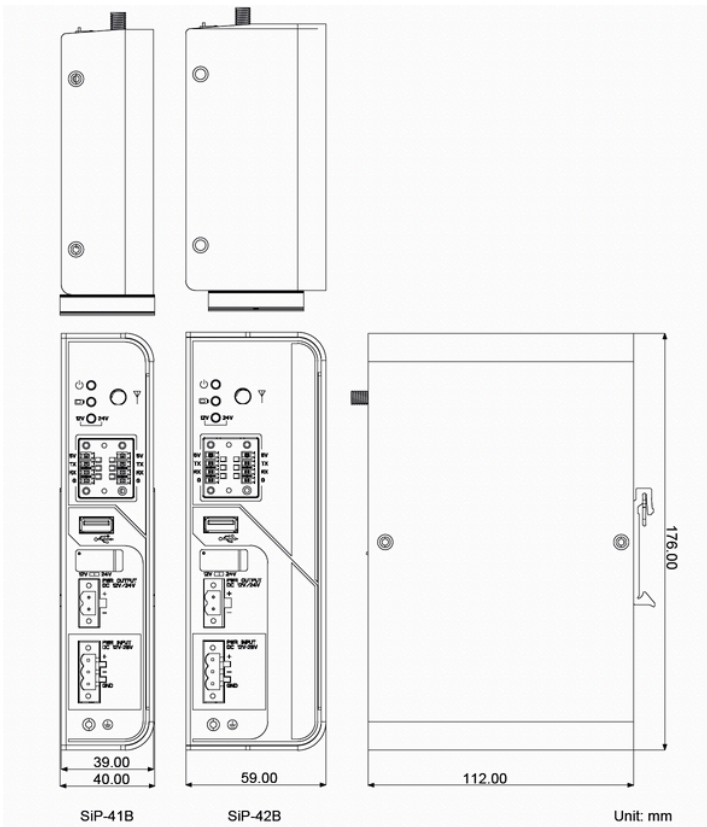
### Secure real-time data processing and transmission

Power outages can have a devastating impact on business operations. However, the SiP-41B/42B ensures an uninterruptible power supply so that critical processes such as real-time data processing and transmission can be carried out continuously and reliably. This is crucial for areas such as automated manufacturing where downtime must be minimized.

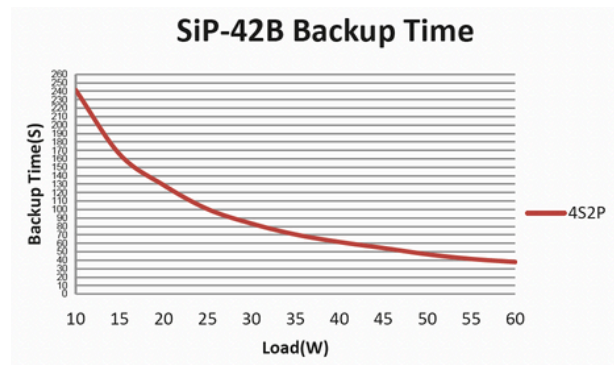
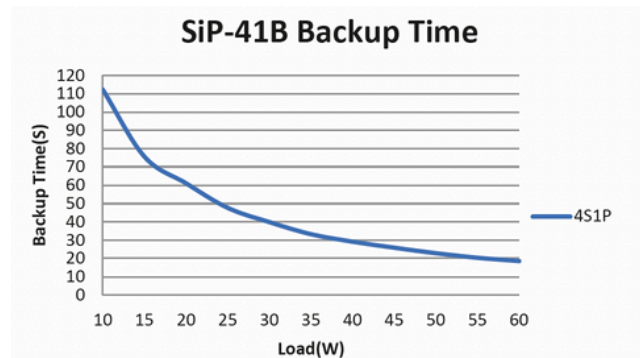
### Robustness and safety for operations

With ARBOR's industrial power backup module, companies can ensure that their systems can be shut down safely even in the event of unexpected power outages. The robust design and intelligent technology provide the security needed to protect critical equipment and applications from damage.

## Dimension (in mm)



## Backup Time vs Load Chart



# SiP-41B/42B

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Specifications	SiP-41B/42B
<b>SYSTEM</b>	
Chip	High Current Super CAP Backup Controller
Supercapacitor Capacity	100 Farads / each
Operating System	Windows 7 Windows 10
<b>POWER REQUIREMENT</b>	
Power Input	DC +12/24V input
Output Voltage Backup Mode	DC +12V/24V, selectable via switch
Output Voltage Normal Mode	DC $\pm$ 12V/24V
Output Power	Max. 60W
Power Management	Powered device reboot via software
<b>INTERFACE</b>	
Power Input	1x 3-pin terminal block
Power Output	1x 2-pin terminal block
Switch for Power Output	1x Slide switch
USB	1x Type-A connector
Terminal Block	1x 8-pin terminal block
<b>ENVIRONMENTAL</b>	
Chassis	DIN rail-mounting chassis and SECC steel chassis
Nominal Backup Time, measured at +25 °C	SiP-41B 30W ~ 33sec ; 60W ~ 16sec SiP-42B 30W ~ 66sec ; 60W ~ 32sec
Operating Temperature	-20°C ~ 70°C
Storage Temperature	-30 °C ~ 80 °C
Vibration / Shock Resistance	Vibration: 0.5 Grms / 5~500Hz / random operation Shocks: during operation 10G (11ms) in non-operation 30G
Humidity	10 ~95% @ 70°C, non-condensing
Dimensions	SiP-41B: 40 (W) x 176 (H) x 112 (D) mm SiP-42B: 59 (W) x 176 (H) x 112 (D) mm
Weight	SiP-41B: 690 g SiP-42B: 860 g
Mounting	DIN rail-mounting with bracket
Certification	CE, FCC Class A

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Ordering Information	SiP-41B/42B
<b>MODEL NO.</b>	
SiP-41B	4SiP, 4 x100F Smart Industrial UPS Box
SiP-42B	4S2P, 8 x100F Smart Industrial UPS Box