



# SiP-41/42B

## Smart Industrial UPS Box



SiP-41B

SiP-42B

### Features

- Long-term availability and value-added services
- Backup time including safe shutdown
- Wide range power input : 12V/24V
- Normal mode power output: 12V/24V (based on input voltage)  
Backup mode power output: 12V/24V via switch
- Wide operating temperature range (-20°C to 70°C)
- System monitoring for powered device(PD)
- Reboot function for PC-based systems

Industrial Automation System

#### System

Chip High Current Super CAP Backup Controller

#### Supercapacitor

Capacity 100 Farads / each

#### Power Requirement

Power Input DC +12/24V input

Output voltage backup mode DC +12V/24V, selectable via switch

Output voltage normal mode DC ±12V/24V

Output power Max. 60W

Power Management Powered device reboot via software

#### I/O

Power Input 1 x 3-Pin Terminal Block

Power Output 1 x 2-Pin Terminal Block

Switch for Power Output 1 x Slide Switch

USB 1 x Type-A Connector

Terminal Block 1 x 8-pin terminal block w/ UR interface

#### Environmental

Operating Temp. -20°C ~ 70°C (-4°F ~ 140°F)

Storage Temp. -30°C ~ 80°C (-22°F ~ 158°F)

Operating Humidity 10 ~ 95% RH @ 70°C (non-condensing)

Vibration 0.5 Grms/5~500Hz/random operation

Shock Operating 10G (11ms), Non-operating 30G

#### Qualification

Certification CE, FCC Class A

#### Mechanical

Mounting Din rail mount with bracket

Chassis Din rail-mounting chassis, and SECC steel chassis

Weight SiP-41B: 690g (1.52lb)  
SiP-42B: 860g (1.90lb)

Dimensions (W x H x D) SiP-41B: 40 x 176 x 112 mm  
SiP-42B: 59 x 176 x 112 mm

#### Nominal backup time, measured at +25 °C

SiP-41B 30W ~ 33sec ; 60W ~ 16sec

SiP-42B 30W ~ 66sec ; 60W ~ 32sec

#### OS Support

Windows 7/10

#### Ordering Information

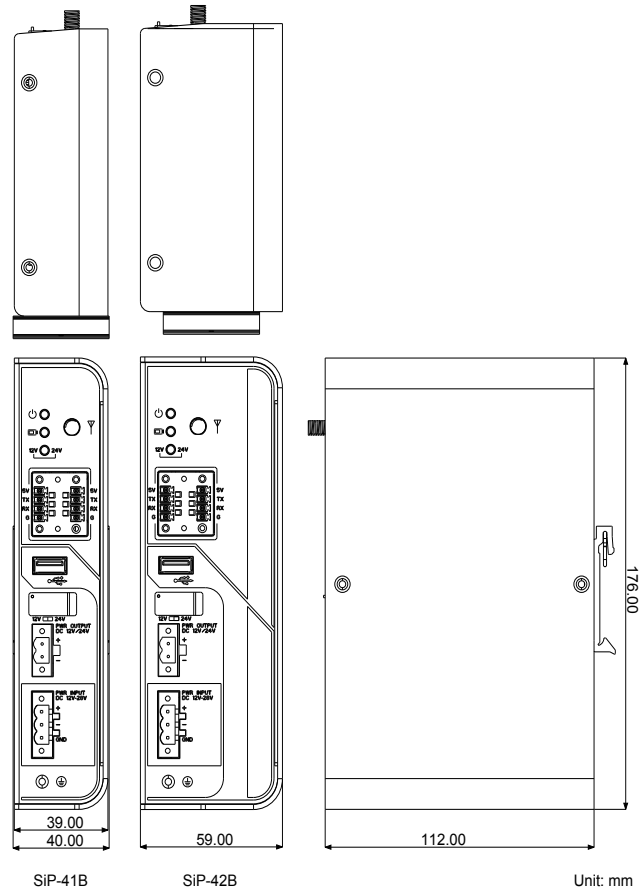
SiP-41B 4S1P, 4 x100F Smart Industrial UPS Box

SiP-42B 4S2P, 8 x100F Smart Industrial UPS Box

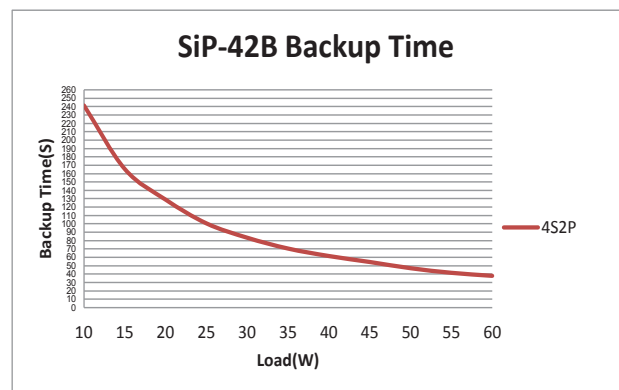
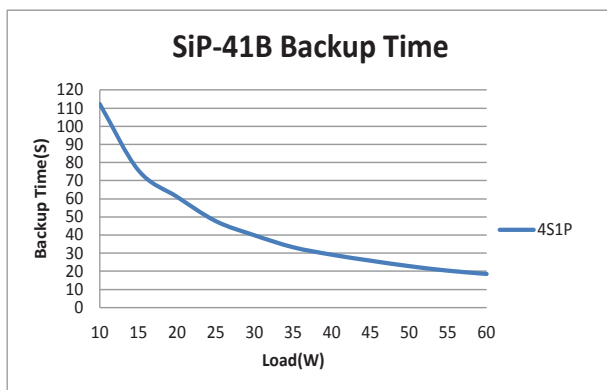
**Note:** To download device driver and SiP Management Utility, please visit the product page on ARBOR website.



## Dimensions



## Backup Time vs Load Chart



## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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