

SiP-41/42B

Smart Industrial UPS Box



SiP-41B

SiP-42B

System	
Chip	High Current Super CAP Backup Controller
Supercapacitor	
Capacity	100 Farads / each
Power Requirement	
Power Input	DC +12V/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

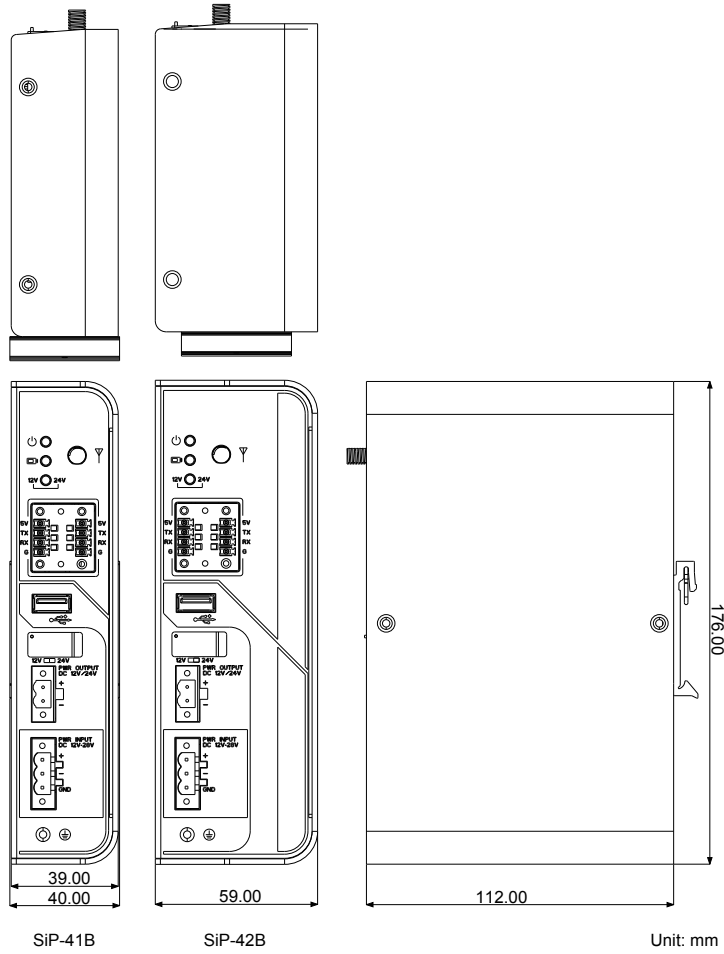
Features

- Long-term availability and value-added services
- Backup time including safe shutdown
- Support 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

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 7/10/11	
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

