



SiPB-1690

Smart Industrial UPS Board



SiPB-1690A



SiPB-1690B

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 jumper
- 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 jumper

Output voltage normal mode DC ±12V/24V

Output power Max. 60W

Power Management Powered device reboot via software

I/O

Power Input 1 x Power in, ATX-4 connector

Power Output 1 x Power out, ATX-2 connector

Switch for Power Output 1 x Jumper

USB 1 x 4-pin box header

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)

Mechanical

Weight SiPB-1690A: 185g (0.41lb)
SiPB-1690B: 285g (0.63lb)

Dimensions (W x H x D) SiPB-1690A: 160 x 88 x 44.7 mm
SiPB-1690B: 169 x 108 x 22.2 mm

Nominal backup time, measured at +25 °C

SiPB-1690A 30W ~ 33sec ; 60W ~ 16sec

SiPB-1690B 30W ~ 66sec ; 60W ~ 32sec

OS Support

Windows 7/10

Ordering Information

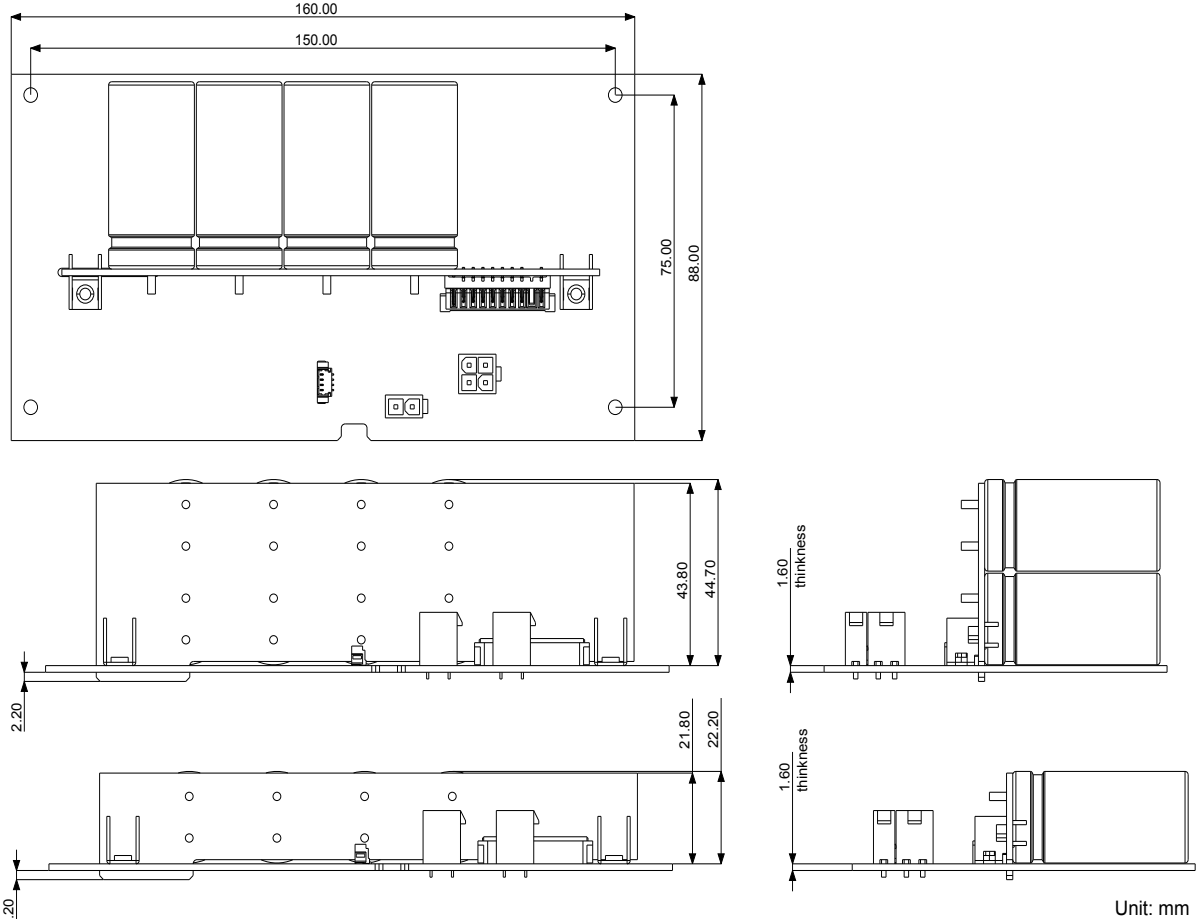
SiPB-1690A 4S1P, 4 x100F Smart Industrial UPS Board

SiPB-1690B 4S2P, 8 x100F Smart Industrial UPS Board

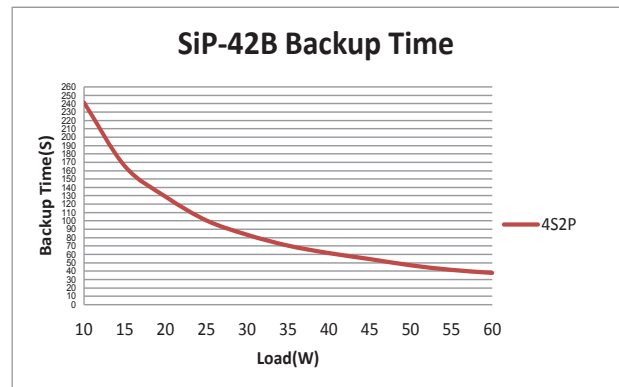
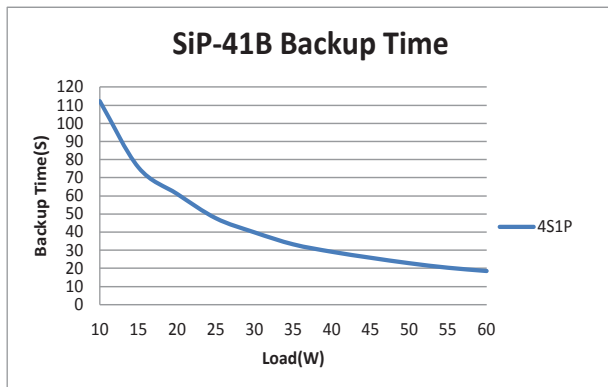
Note: To download device driver and SiP Management Utility, please visit the product page on ARBOR website.



Dimensions



Backup Time vs Load Chart



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US

sales@assured-systems.com

Sales: +1 347 719 4508
Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050
Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28
Business Registration Number: 07699660