

# 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

### 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 SiPB-1690A: 160 x 88 x 44.7 mm  
(W x H x D) 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

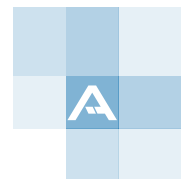
Windows 7/10

### Ordering Information

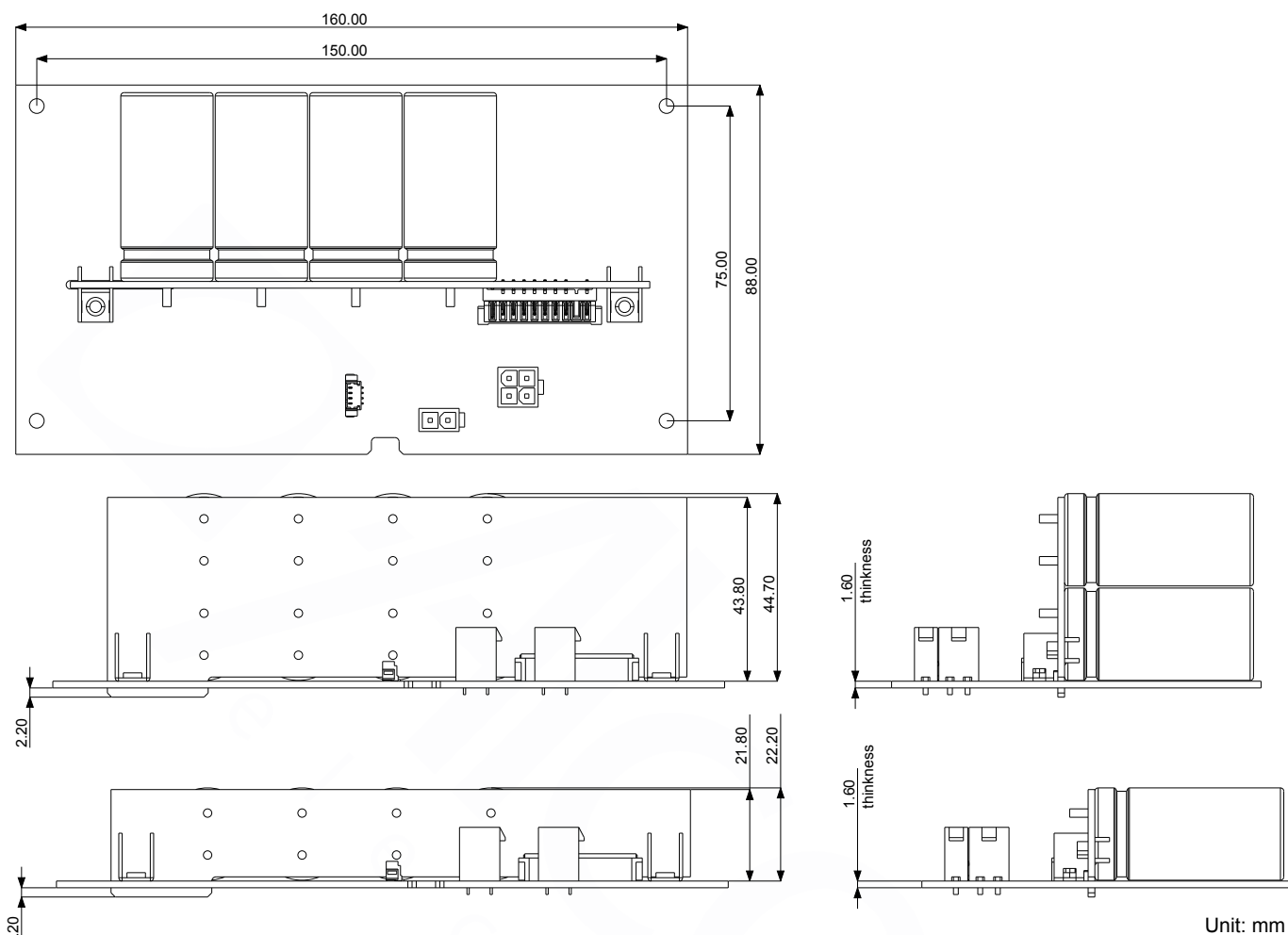
SiPB-1690A 4S1P, 4 x100F Smart Industrial UPS Board

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

