

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
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Supercapacitor

Capacity	100 Farads / each
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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 22.2 mm
	SiPB-1690B: 160 x 88 x 44.7 mm

Nominal backup time, measured at +25 °C

SiPB-1690A	30W ~ 33sec ; 60W ~ 16sec
SiPB-1690B	30W ~ 66sec ; 60W ~ 32sec

OS Support

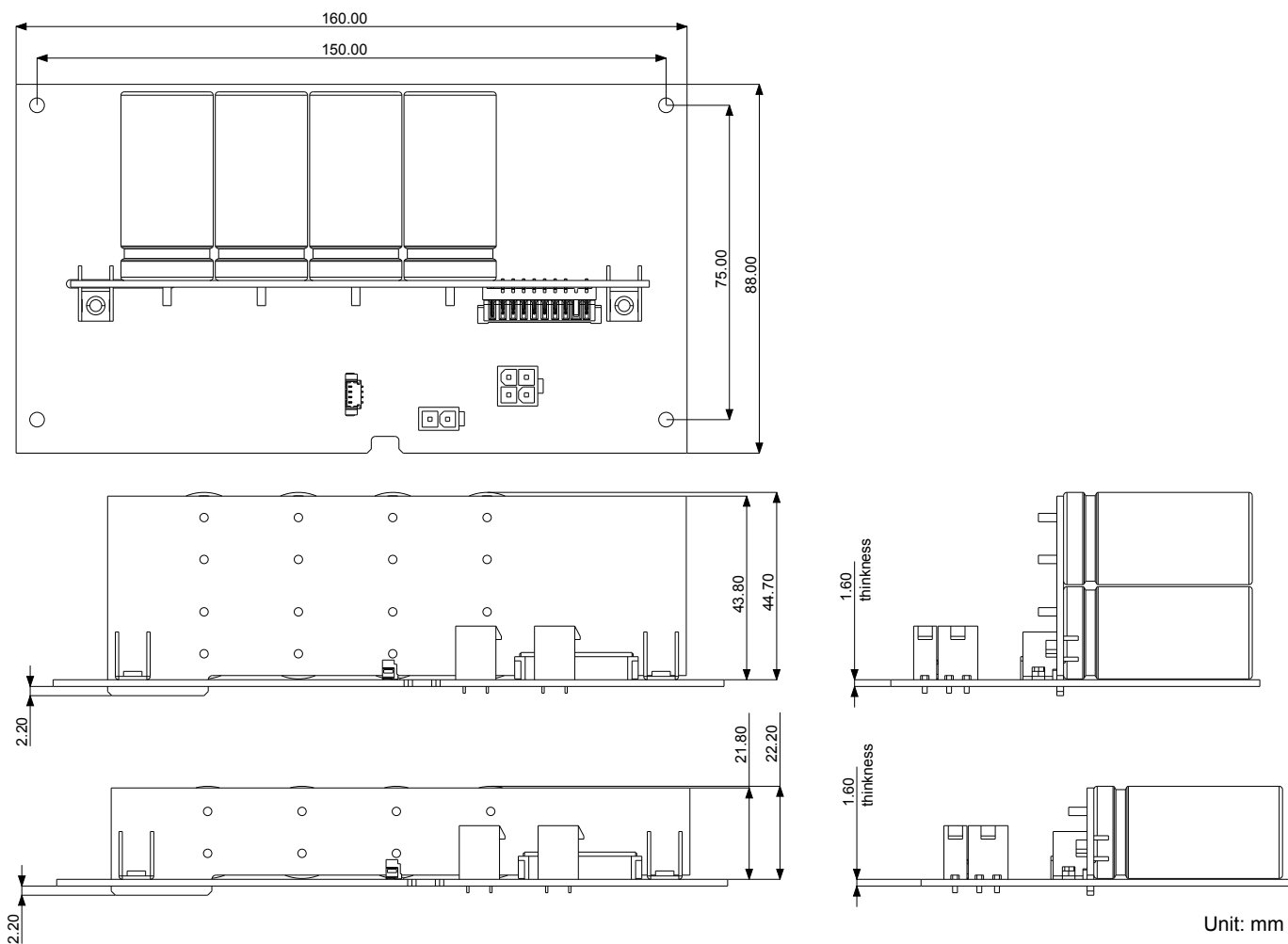
Windows 7/10

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

