



New-Generation Supercapacitor Industrial Power Backup Solution

■ Features

- Remote monitoring Access
- Visualization of the same content across different target platforms such as mobile, tablet, PC, etc. without any conversion or Re-engineering
- Designed for industrial box PC & Panel PC
- Maintenance-free supercapacitors
- Safe and reliable; Prevention from fire or explosion
- Prevention of overcharging
- Functionality of Full discharge provided for safety
- Environmental friendly without hazardous materials
- Wide operating temperature range (-20°C to 70°C)
- Multi-function control utility
- Power ignition control functionality
- Automatic output power switch control

■ Specifications

Power

Power Input	DC 12~35V input 1 x 3-pin terminal block
Power Output	DC 12V / 24V output, Max. 120W 1 x 3-pin terminal block 1 x slide switch for power output control

System

Chip	High current supercap backup controller
OS Support	Windows 7/10
Supercapacitor Capacity	400 Farads / each

I/O Connector

USB	1 x Type-A connector
COM	1 x COM with RS-232
Signal In/Out*	1 x 8-pin terminal block

Environment

Operating Temperature	-20°C ~ 70°C (-4°F ~ 140°F)
Storage Temperature	-30°C ~ 80°C (-22°F ~ 158°F)
Humidity	10 ~ 95% RH @ 60°C (non-condensing)
Vibration	0.5 Grms/5~500Hz/random operation
Shock	Operating 10G (11ms), Non-operating 30G

Certification Information (in Process)

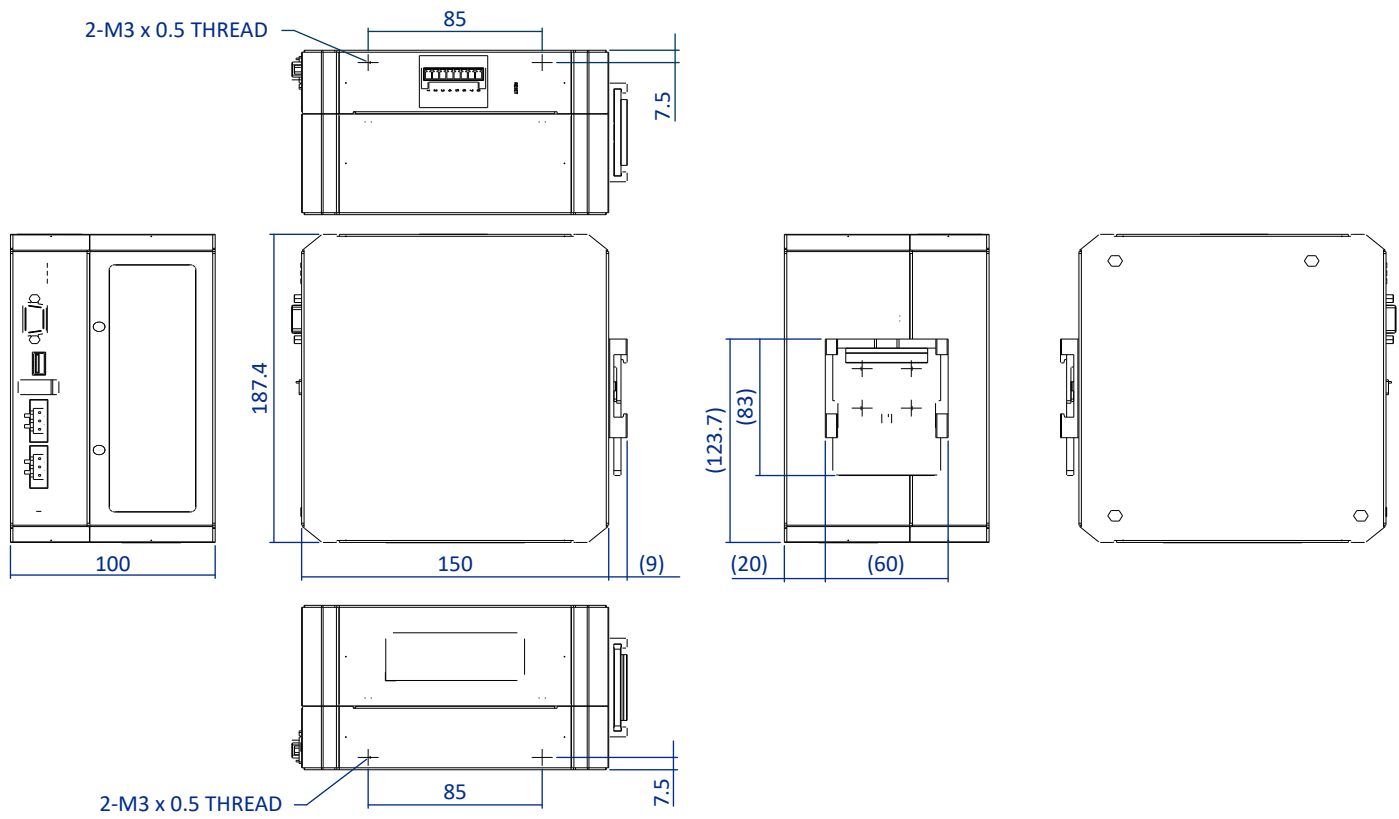
Certification	CE, FCC Class A
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Physical

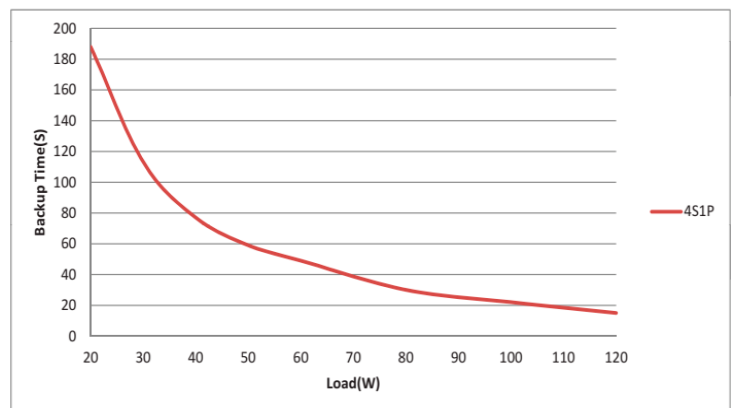
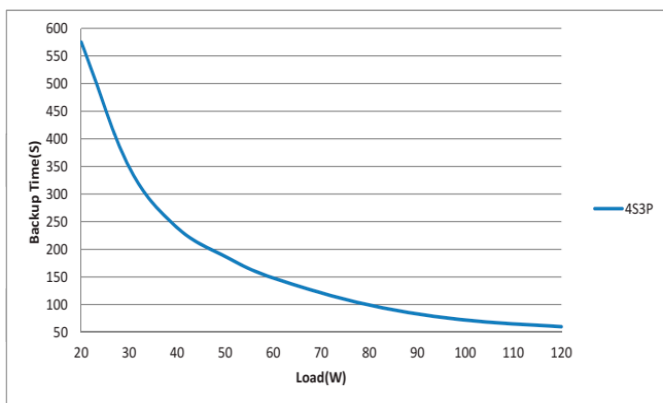
Mounting	Din Rail Mount with Bracket
Chassis	Din Rail-mounting chassis and SGCC steel chassis
Dimensions(W x H x D) (mm)	100 X 150 X 187.4
Net Weight	2.2 kg

Note : Signal in/out includes ignition in/out signal and remote power switch signal, which may include but is not limited to the above mentioned.

■ Mechanical Drawings (Unit = mm)



■ Backup Time vs Load Chart



■ Ordering Codes

Model Number	Description
PowerSafe SCB-120-4S1P	Supercap power backup system DC 12~35V input, DC 12V / 24V output
PowerSafe SCB-120-4S3P	Supercap power backup system DC 12~35V input, DC 12V / 24V output

PowerSafe SCB-120_18-04-2025