

### 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

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

### System

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

### I/O Connector

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

### Environment

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

### Certification Information (in Process)

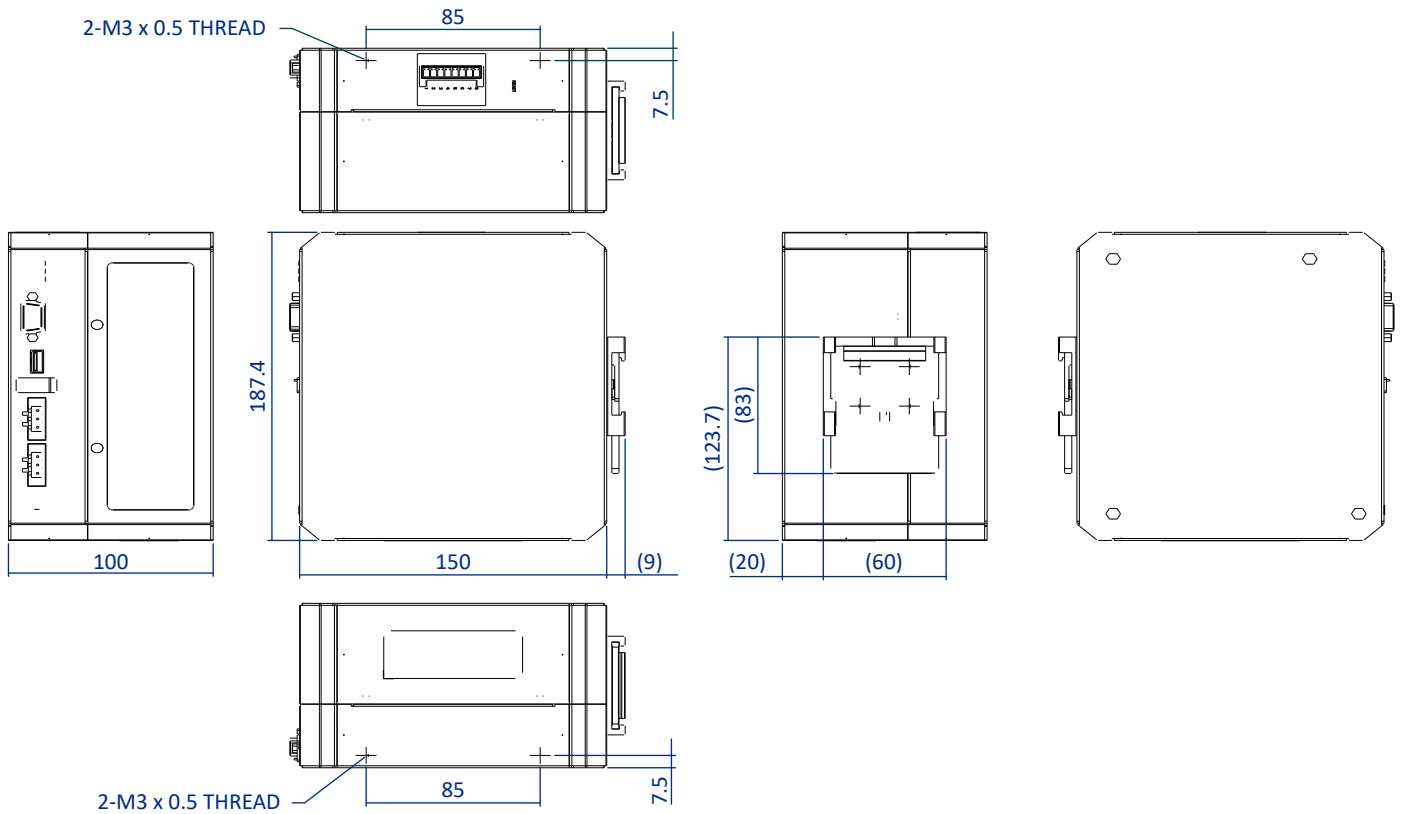
<b>Certification</b>	CE, FCC Class A
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### Physical

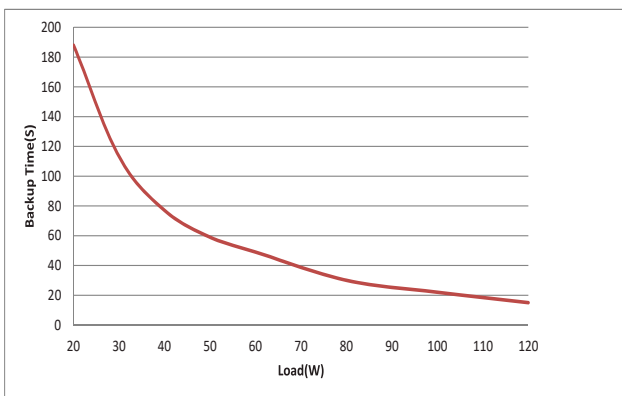
<b>Mounting</b>	Din Rail Mount with Bracket
<b>Chassis</b>	Din Rail-mounting chassis and SGCC steel chassis
<b>Dimensions(W x H x D) (mm)</b>	100 X 150 X 187.4
<b>Net Weight</b>	2.2 kg

**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	Supercap power backup system DC 12~35V input, DC 12V / 24V output

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