

PPC-IPS-150

24±20% V_{DC} input/24 V_{DC} output, Intelligent Uninterruptible Power Supply Module



Features

- 24V_{DC} output, with auto shutdown function to PC
- Wide Range power input for 24±20% V_{DC}
- Supports over discharging protection to extend battery life
- With free software utility for configuration and monitoring
- Execute auto shut down PC by App timing setting
- With status LED indicators for monitoring battery pack and input power
- With changeable battery pack for easy maintenance
- Metal enclosure supports VESA 75/100 and DIN Rail mounting



Introduction

This lightweight and intelligent power management module protects a Panel PC from electrical damage and greatly reduces the risk of losing data. The IPS module serves as temporary power supply during a break in power and allows a safe system shutdown. It can be easily installed on DIN-rail or on the back of a Panel PC.

Specifications

Item		PPC-IPS-150
Input	Input Voltage	24±20% V _{DC}
	Operation with charging power consumption	≥150W
Output	Output Voltage	24V _{DC} ±10%
	Output current	Type 5A (Max 6.25A for 3-5 secs)*
Battery	Type	Li-ion
	Battery Capacity	14.4 V _{DC} , 6900mAH
	Cycle life	≥1000 cycles**
Protection	Short-circuit protection	Yes
Certification	EMC	CE, FCC, BSMI
	Safety	UL, CB
Physical	Dimensions	196.9*157.5*42.7 mm
	Weight	1.89kg (4.17lb)
OS Support	OS Support	Windows 10 LTSC, Windows 11, Linux
Environment	Operating Temperature	0 ~ 40°C
	Storage Temperature	Recommend: -20 ~ 25°C *** Limit : -20 ~ 50°C
	Relative Humidity	95% @ 40°C (non-condensing)
	Shock Operating	10 G peak acceleration (11 ms duration), follow IEC 60068-2-27
	Vibration	Operating Random Vibration Test 5 ~ 500Hz, 1Grms, follow IEC 60068-2-64
I/O Connectors	I/O Connectors	PC RS-232 w/isolation for monitoring and setting IPS

Note*: The charging time and backup time could be varied on different models or operating temperature.

Note***: A full charge cycle is defined as the process of discharge from 100% to 0% and then back to more than 80%, in an ambient temperature of 23°C ± 2°C.

Note***: If the battery is not used for an extended period, ensure it has a certain amount of charge before storage. Store the battery in a cool, dry place. Charge the battery once every six months to prevent deep discharge during prolonged storage.

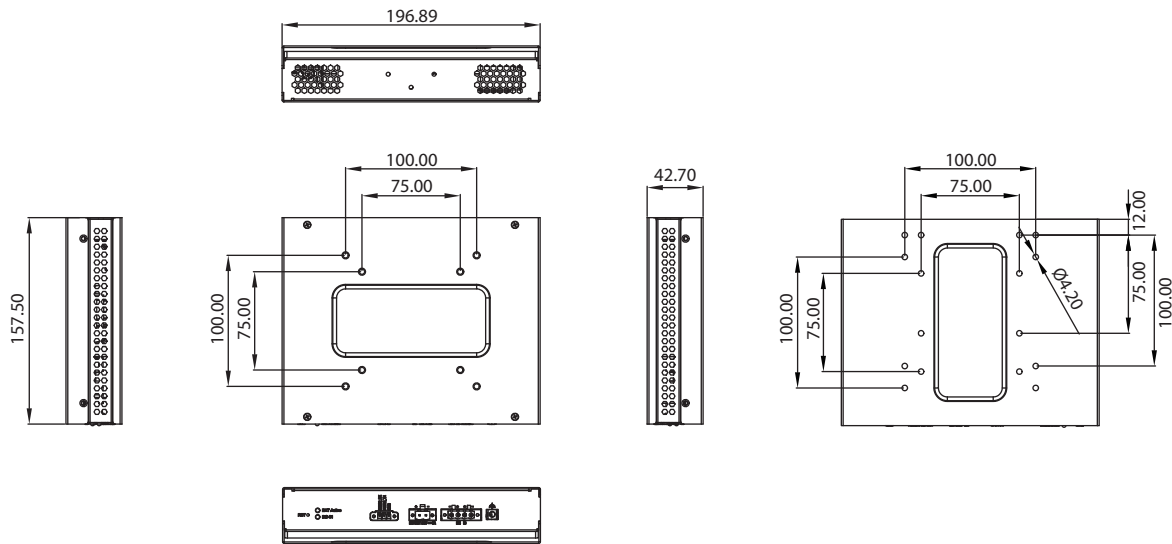


- Avoid subjecting the battery to impacts, throwing, or exposing it to strong mechanical vibrations.
- Do not Pierce the battery with sharp objects such as nails.
- During use, keep the battery away from heat sources and high-voltage sources.

If the battery exhibits unusual odors, heating, deformation, discoloration, or any other abnormal phenomena during use, please discontinue use immediately. Place the battery pack in a well-ventilated area and promptly contact us.

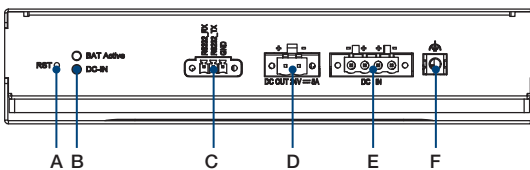
Dimensions

Unit: mm



Max.depth for VESA Mounting screws is M4*8(mm)

I/O Appearance



- A. System reset
- B. Status indicators
- C. RS-232 (Phoenix)
- D. DC out
- E. DC in
- F. Grounding

Ordering Information

Part No.	Description
PPC-IPS-150A	PPC intelligent power system (BP 14.4V 6900mAh)
1700025013-01	PPC-IPS-150 control cable 3m
1760003088-01	PPC-IPS-150 battery pack (spare part)
1702002605	Power cable (EU), 3-pin, 10A, 250V, 1.83M
1702002600	Power cable (USA) UL/CSA, 3-pin, 10A, 125V, 1.83M
1700000237	Power cable PSE(UK),3-pin,12A,125V,1.83M
96PSA-A150W19P4-4	Power adapter 100-240V 150W 19V

Support List

SKU	Model
PPC-IPS-150	PPC-300 series
	PPC-400 series
	TPC-B520 series
	TPC-B300 series
	TPC-100 series
	TPC-300 series