

NISKBAT Power Pack

Din Rail Power Pack with Supercapacitors
24V DC Input, 22V DC Output



NISKBAT Power Pack



NISKBAT3 Power Pack

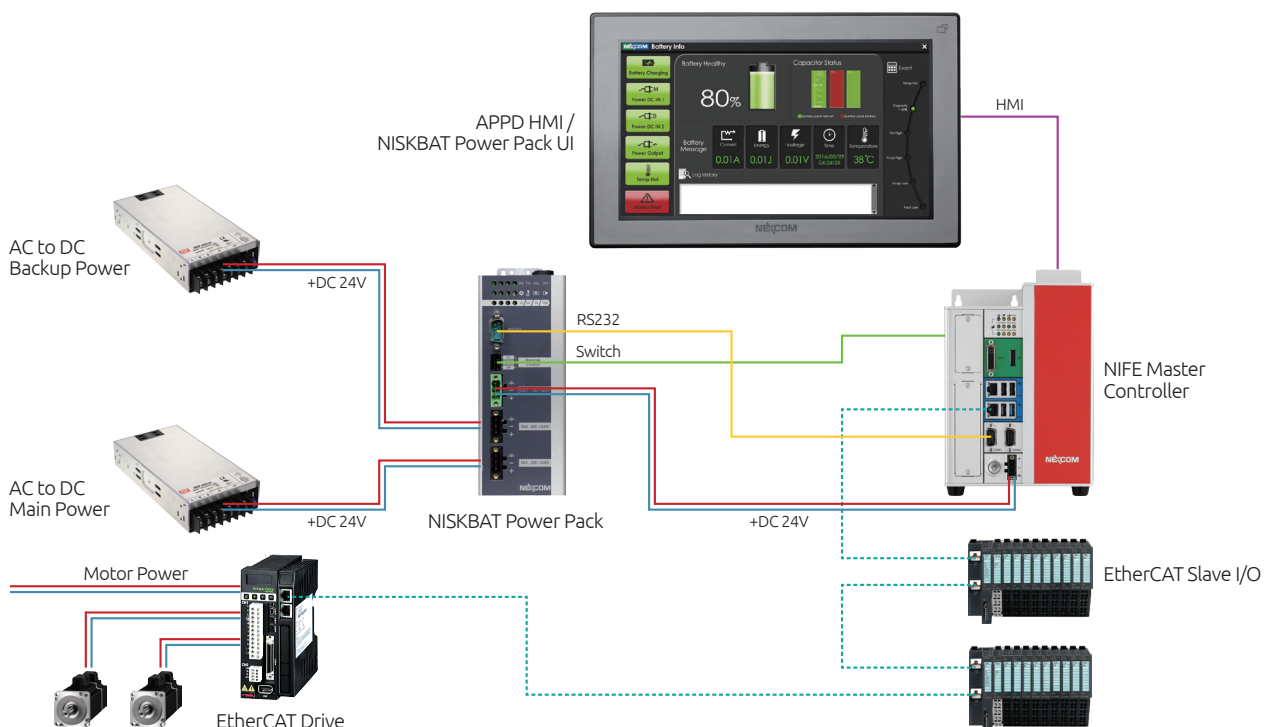
Main Features

- Power Pack with maintenance-free supercapacitors
- Support Emergency System shutdown during power loss
- Support both din rail mounting and wall mount mounting
- Support software application for continuous status monitoring via RS232
- Support -5~55 degree C operating temperature
- Support 2 x DC input 24V and 1 x DC output 22V

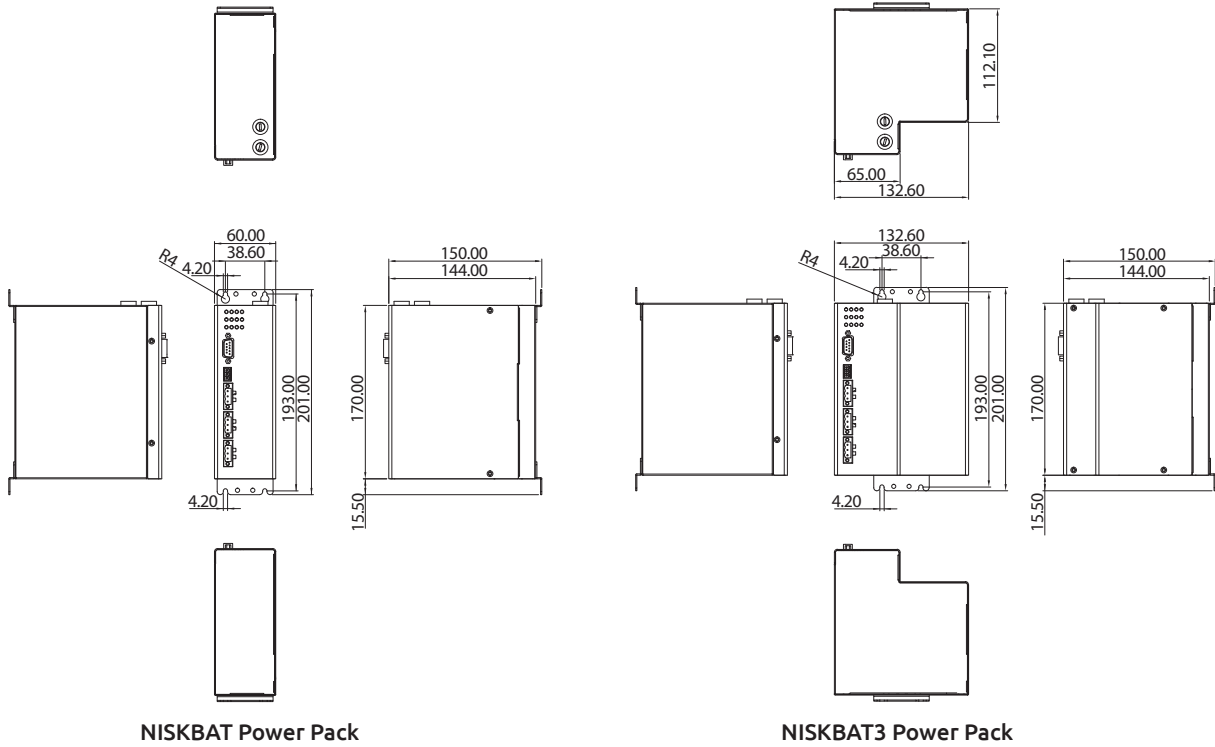
Product Overview

Power failure brings un-expected production outage and interrupted operations in factory automation. To prevent the production risk and business impact, the NISKBAT power pack offers a perfect protection for both power outage and critical data loss. The NISKBAT power pack is designed with reliable super capacitor and able to provide short term backup time for a safe system shutdown or critical data saving. The NISKBAT power pack supports software utility which allows the users to monitor the power pack charging status continuously on the system's HMI. The NISKBAT power pack is a reliable choice of DC +24V UPS configurations for powered embedded-computers, PLC and other electronic devices.

System Architecture with NISKBAT Power Pack



Dimension Drawing



Specifications

Power Requirement

- 2 x 3-pic DC input, typical 24V DC input with $\pm 20\%$ range
- 1 x 3-pic DC output, typical 22V DC output with $\pm 20\%$ range

Commutation I/O

- 1 x RS232 for NISKBAT utility communication with monitor
- 1 x S3 connector for remote control

LED Indicators

- 3 x Power LEDs for 2 x DC input and 1 x DC output
- 4 x Battery capacity LEDs for 25%, 50%, 75% and 100%
- 2 x RS232 LEDs for Tx, Rx status
- 1 x Temperature Hot LED
- 1 x Capacitor fail alarm LED
- 1 x Battery charger LED

Dimensions

- NISKBAT power pack: 60mm (W) x 144mm (D) x 170mm (H) without wallmount
- NISKBAT3 power pack: 132.6mm (W) x 144mm (D) x 170mm (H) without wallmount

Power Pack Table

Configuration DC Input 24V	PowerConsumption 10W	20W	30W	40W	50W	60W	70W	80W
NISKBAT Time (Minutes)	9 Mins	5 Mins	3 Mins	-	-	-	-	-
NISKBAT Current (A)	0.45A	0.9A	1.25A	-	-	-	-	-
NISKBAT3 (Minutes)	26 Mins	15 Mins	11 Mins	8 Mins	6 Mins	5 Mins	4 Mins	3 Mins
NISKBAT3 Current (A)	0.45A	0.9A	1.25A	1.71A	2.2A	2.7A	3.2A	3.6A

Construction

- Aluminum and metal chassis

Environment

- Operating temperature:
Ambient with air flow: -5°C to 55°C
(according to EN60950-1, EN50178, EN60715)
- Storage temperature:
 -40°C to 60°C , relative humidity: 10% to 95% (non-condensing)

Certifications

- CE/FCC Class A
- IP20

Ordering Information

- **NISKBAT power pack (P/N: 10JK00BAT00X0)**
NISKBAT power pack for NIFE series
- **NISKBAT3 power pack (P/N: 10JK00BAT01X0)**
NISKBAT power pack with expansion for NIFE series
- **24V, 120W AC/DC power adapter w/o power cord (P/N: 7400120022X00)**