



NP-6310-A-R

2.1.1

2022-11-24



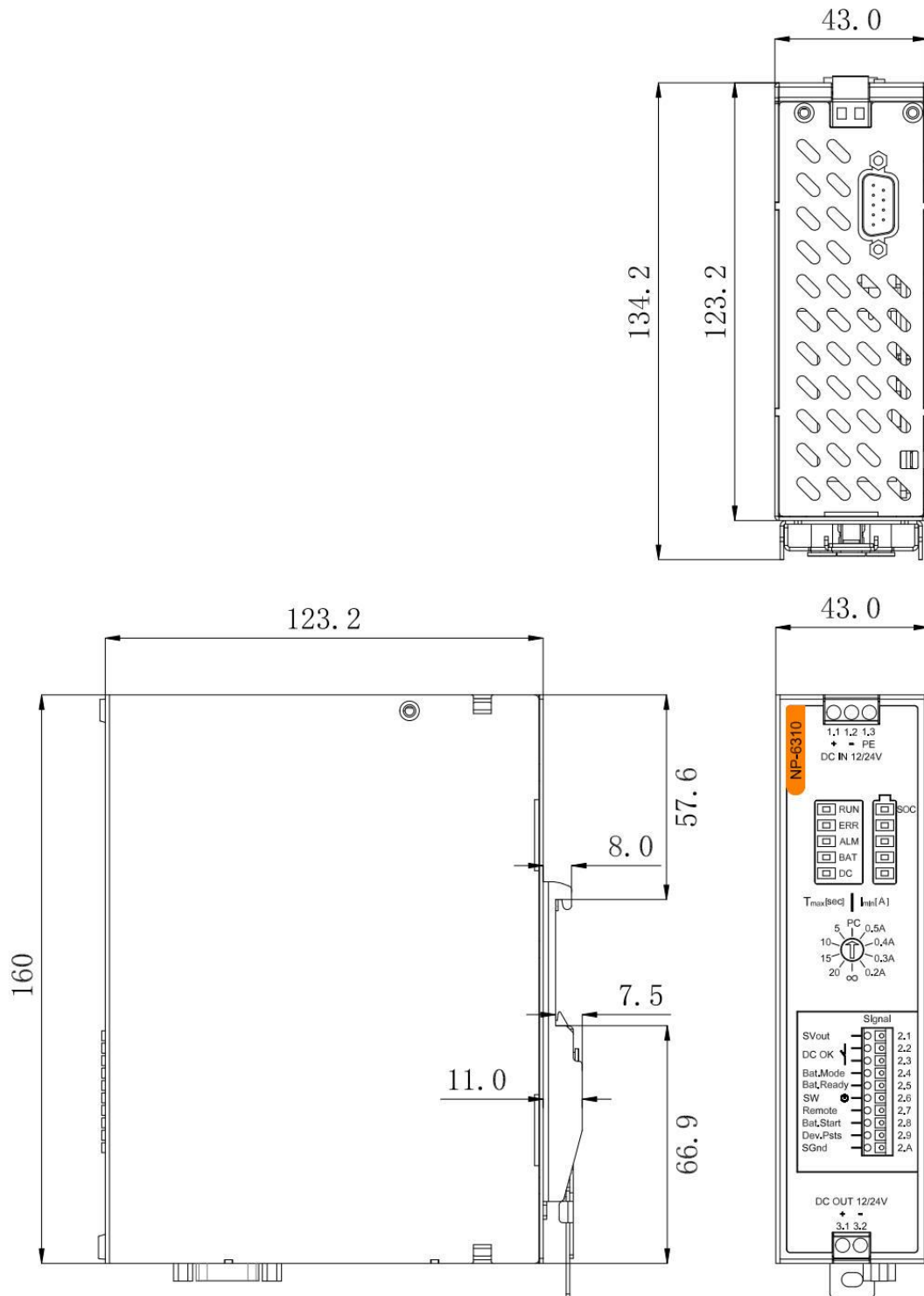
Features

- Industrial supercapacitor energy storage devices and intelligent power management system;
- Real-time monitoring of DC_IN status;
- Multiple I/O interfaces;
- Power input protection of overvoltage and polarity inverse;
- Output short circuit and overcurrent protection;
- Modbus RTU communication protocol;

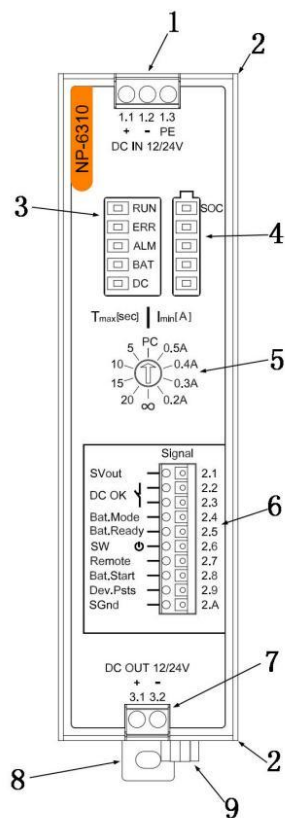
Specifications

Parameter Type		NP-6310-A-R
DC_IN	Voltage	DC12V / DC24V
	Current	12A
	Protection	Overvoltage and power anti-reverse connection protection, EFT $\pm 1500V$, electrical surge DC2000V
DC_OUT	Voltage	12V / 24V
	Current	9A
	Protection	Overcurrent
Electrical parameters	Power In Idle	3W
	Maximum Power	60W/12V, 120W/24V
	Maximum charging current	3A
Supercapacitor	Capacitance	1080 Ws
	Active life	The charge and discharge times are up to 500,000
IO	IO voltage	DC24V
	Isolation mode	Optocoupler
	Isolation voltage	3.75kV
Signal type	Power	DI/DO dc-dc isolated power VCC, DC24V, 40mA.
	DC OK	Relay Normal Open output
	Bat.Mode	NPN output
	Bat.Ready	NPN output
	SW	NPN output
	Remote	NPN input
	Bat.Start	NPN input
	Dev.Psts	NPN input
Data interface	Interface	DB9
	Mode	RS232 / RS485
	Protocol	Modbus RTU

	Parameters	Can be set via register 40003, default baud rate 115200bps,8-bit data bit,1-bit stop bit, no parity
	Modbus slave address	The address can be set via register 40004, default is 1
Environmental parameters	Working temperature	-20°C ~ 60°C
	Storage temperature	-40°C ~ 80°C
	Operating humidity	5~95%
Mounting	Mode	Din-Rail
	Dimensions	180.0(mm) × 43.0(mm) × 123.2(mm)
	Weight	850(g)

Din-Rail**Device interfaces**

The DC input and output terminal blocks on the front of the UPS feature screw connection technology. The signal level wiring is connected via tool-free Push-in connection technology. The UPS also provides leds showing the working status and battery charging status.



No.	Description	Remarks
1	DC_IN terminal	
3	Working status leds	
4	Status leds of the Charging	
5	Working mode rotary switch	
6	Signal terminal	
7	DC_OUT terminal	
9	Serial communication terminal	