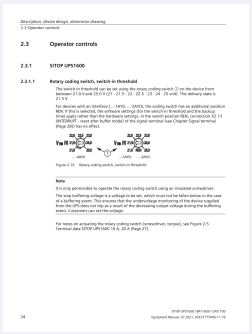
FIELD INSTALLATION QUICK GUIDE

Installation Instructions

6EP4134-3AB00-0AY0

DC uninterruptible power supply



PRODUCT	6EP4134-3AB00-0AY0
FAMILY	SITOP UPS1600
FUNCTION	DC uninterruptible power supply
STATUS	Verify exact installed equipment

Prepared by Amikon Limited from Siemens documentation. This guide supplements the complete manufacturer manual and site procedure.

01 CONFIRM THE ORDERED CONFIGURATION

Rated DC input	24 V DC
Input voltage range	21...29 V DC
Rated load current	10 A
Maximum charging current	3 A
Power Boost	30 A for 30 ms
Extra Power	15 A for 5 s/min; battery restrictions apply

02 PREPARATION AND CONNECTION

- Isolate the 24 V feeder, battery and buffered load before making connections.
- Hook the upper rail guide onto the DIN rail and press down until latched.
- Connect IN, OUT and BAT with the documented polarity and conductor sizes.
- Set the buffering threshold at least 0.5 V below the loaded input voltage.

03

OFFICIAL INSTALLATION REFERENCE

2.3 Operator controls

2.3.1 SITOP UPS1600

2.3.1.1 Rotary coding switch, switch-in threshold

The switch-in threshold can be set using the rotary coding switch ⑦ on the device front between 21.0 V and 25.0 V (21 - 21.5 - 22 - 22.5 - 23 - 24 - 25 volt). The delivery state is 21.5 V

For devices with an interface (...-1AY0, ...-2AY0), the coding switch has an additional position REN. If this is selected, the software settings (for the switch-in threshold and the backup time) apply rather than the hardware settings. In the switch position REN, connection X2.13 (INTERRUPT - reset after buffer mode) of the signal terminal (see Chapter Signal terminal (Page 28)) has no effect.



Figure 2-16 Rotary coding switch, switch-in threshold

Note

It is only permissible to operate the rotary coding switch using an insulated screwdriver.

The stop buffering voltage is a voltage to be set, which must not be fallen below in the case of a buffering event. This ensures that the undervoltage monitoring of the device supplied from the UPS does not trip as a result of the decreasing output voltage during the buffering event. Customers can set the voltage.

For notes on actuating the rotary coding switch (screwdriver, torque), see Figure 2-5 Terminal data SITOP UPS1600 10 A, 20 A (Page 27).

Official manufacturer page reproduced at its original aspect ratio.

04 COMMISSIONING CHECKS

01	Verify the 0AY0 noncommunicating 10 A execution.
02	Confirm rail latching, vertical clearance and terminal polarity.
03	Check feeder capacity for load and battery charging together.
04	Set the approved battery charging current and buffer time.
05	Test buffering after fully charging the matched battery.
06	Confirm contact signals and normal-supply recovery.

05 CONTROLLED DOCUMENT

Official source	Siemens SITOP UPS1600 Manual A5E37775406-11-76, 07/2021.
Product record	6EP4134-3AB00-0AY0
Manufacturer	Siemens
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

+86-18020776786 INFO@AMIKON.CN **AMIKONG.COM**