

# STARTING INSTRUCTIONS

## Battery pack

for XANTO 2000033

Part-No. X2000033BP-0

State: 07/2025





**Please comply with all warnings and operating instructions in this manual. This equipment should only be installed, serviced, and maintained by qualified personnel. Do not operate this unit before reading through all the safety information and operating instructions carefully.**

### **Disclaimer**

We assume no responsibility or liability for loss or damages, whether direct, indirect, consequential or incidental, which might arise out of the use of such information. The use of any such information will be entirely at the user's risk. Information in this manual is subject to change without notice. We make no commitment to update or keep the information in this manual. If you find information in this manual that is incorrect, misleading, or incomplete, we would appreciate your comments and suggestions.

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Imprint

## **1 Introduction**

This additional starting instruction does not replace the user manual but serves as supplementary information for initial commissioning.

The battery pack is delivered without pre-installed batteries. The batteries are delivered separately. The necessary cable set for the batteries is already included with the battery pack.

Tools required for commissioning:

- Multimeter
- Set of slotted and Phillips screwdrivers
- Open-end wrench 13, or 13mm socket with ratchet
- Open-end wrench 19
- One-time password for the scheduled installation day -> request from support (see point Support)

## **2 Unpacking**

The battery pack is delivered bolted together (13 mm wrench size) on a pallet. After loosening the bolts, the battery pack can be pushed off the pallet using the included ramp. The battery pack has rollers on the bottom for movement.

The battery pack is easy to move without installed batteries. With installed batteries, the battery pack weighs several times as much. Please consider this before moving the battery pack to its final location.

## **3 Scope of delivery**

- 54 pieces of short connecting cables black (100 mm)
- 6 pieces long connecting cables black (300 mm)
- One long three-pin connection cable for connecting the battery pack to the UPS system
- 2 safety brackets for each side of the long connecting cable

## 4 Disassembly of the cover and side panels

To install the batteries, the cover and side panels must first be removed.



## 5 Installation of Batteries

The battery pack contains two battery groups of 32 batteries (one battery group per side). The corresponding battery pack with 64 batteries has part number BCX40000033BP

Installation:

- Remove the safety rails on both sides.
- Insert the batteries into the designated compartments on both sides.  
For further details on the installation position, see Section 6, Battery wiring.
- Reattach the safety rails on both sides.

## 6 Battery wiring

**When wiring the batteries, please be careful, as connecting the batteries together will generate high DC voltages!**

The batteries are connected in series and have a center tap after the 16th battery.

First, the short black cables are plugged between the batteries (from plus to minus).

After connecting the batteries, use a multimeter to check the voltage from the positive terminal to the center tap and the negative terminal to the center tap (each approx. 192 VDC). Both voltages should be approximately identical.

Next, the long cables – red (+), blue (2x) (center tap), and black (-) – are plugged into the connector on the corresponding battery. The other end of the long cables is already screwed to the disconnect switch on the back. Next, check the total voltage between the positive and negative terminals (approx. 384 VDC).

**When connecting the long cables, it is important to avoid short circuits between them, as otherwise high short-circuit currents can flow.**



Right side



Left side

## 7 Connecting the battery pack to the UPS system

First, unscrew the metal covers on the UPS system (see image below) and the battery pack (either on the left or right, depending on whether the battery pack is located to the left or right of the UPS system). These are each labeled "Battery Connector".

Now plug the included three-pin connection cable into the UPS system and the battery pack and secure it with the included safety brackets. The order in which the cables are plugged in first doesn't matter.



If multiple battery packs are present, the battery packs are connected in series. To do this, remove the other metal cover from the first battery pack, remove one metal cover from the second battery pack, and plug the three-pin connection cable into both battery packs and secure it with the included safety brackets.

## 8 Insert Fuses

Insert the three fuses into the fuse holders on the back of the battery pack.

To do this, press the lock button and push the upper part of the fuse holder back. Insert fuses and **quickly** snap the fuse holder back into place.



## 9 Fixing the battery pack to prevent slipping

The battery pack can be secured to prevent slipping. For this purpose, there is a support foot between the rear rollers that can be turned downward using a 19-inch open-end wrench.

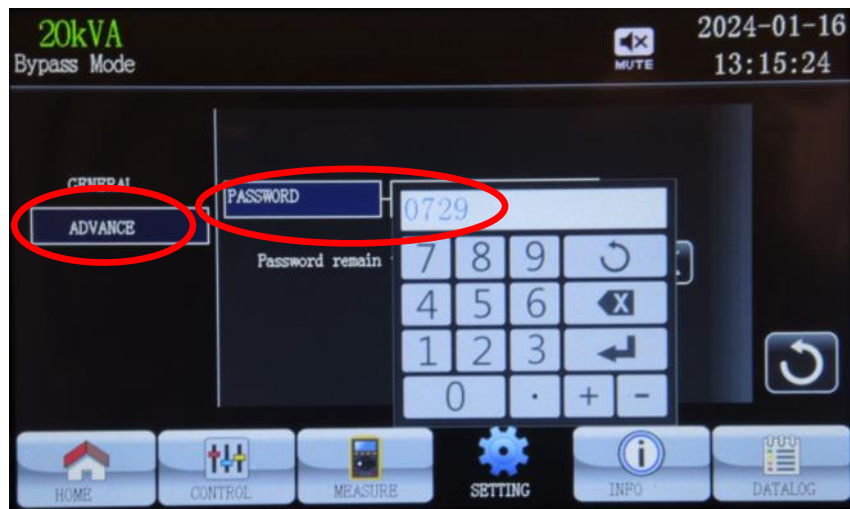


## 10 Battery settings in the UPS system

The battery settings are changed in the advanced setting area; for this, the UPS system must be switched on (at least in bypass mode).

**CAUTION: Incorrect configuration may damage the batteries.**

Via the menu items -> SETTING -> ADVANCE (password is 0729 or a daily current password) -> SYS PARAMETER you can access the basic settings).



**A daily current password must be requested from ONLINE UPS systems support.**

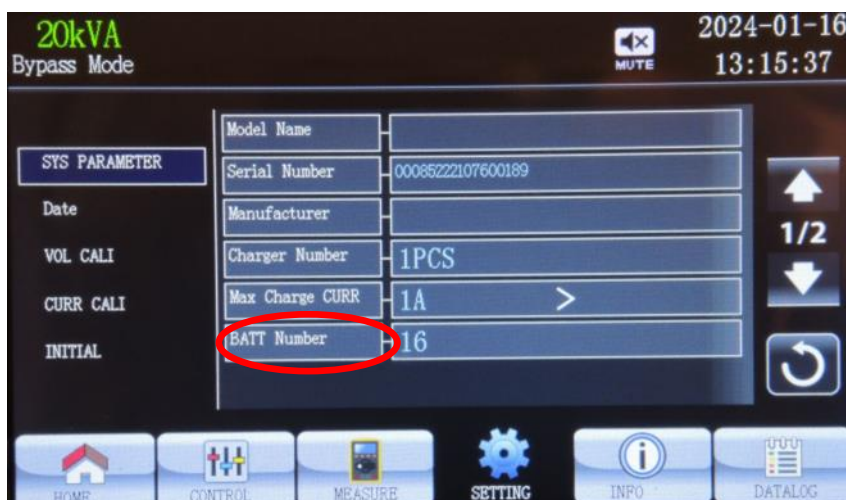
The daily current password can be changed to the fixed password 0729, see the Miscellaneous section. This requires a one-time, a daily current password.

### Battery settings:

**1. Check the number of batteries per battery group in the sub-range (SYS PARAMETER)**

For BATT Number (red circle), 2 x 16 batteries (32) = 16 must be selected.

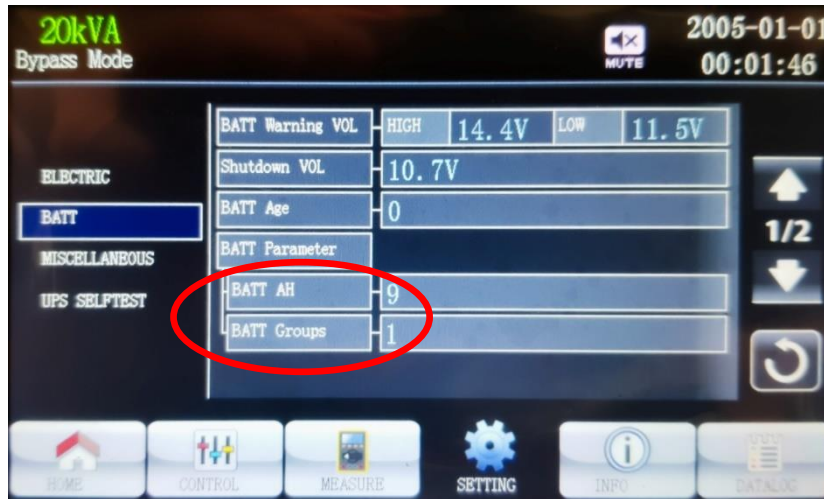
If the number is incorrect, set the correct number.



**2. Check battery capacity in the sub-range (BATT)**

For BATT AH, 9 must be selected, for 9AH

If the battery capacity is incorrect, set the correct battery capacity.



**3. Select battery groups in the sub-area (BATT)**

For BATT Groups, the correct number must be set according to the table below.

Combination	Number of batteries	Battery groups
XANTO 2000033	32	1
XANTO 2000033 + 1 x BP	96	3
XANTO 2000033 + 2 x BP	160	5
XANTO 2000033 + 3 x BP	224	7
XANTO 2000033 + 4 x BP	288	9
XANTO 2000033 + 5 x BP	352	11

These settings ensure that the batteries are charged with the charging current of 1 A recommended by the battery manufacturer.

Example: One UPS system plus 2 battery packs = 5 battery groups

**Date settings:**

For Date (red circle) enter the "SYS Install Date" and "BAT Install Date" with Date and Time.



If the settings are correct, you can return to the -> Home menu.

**11 Miscellaneous**

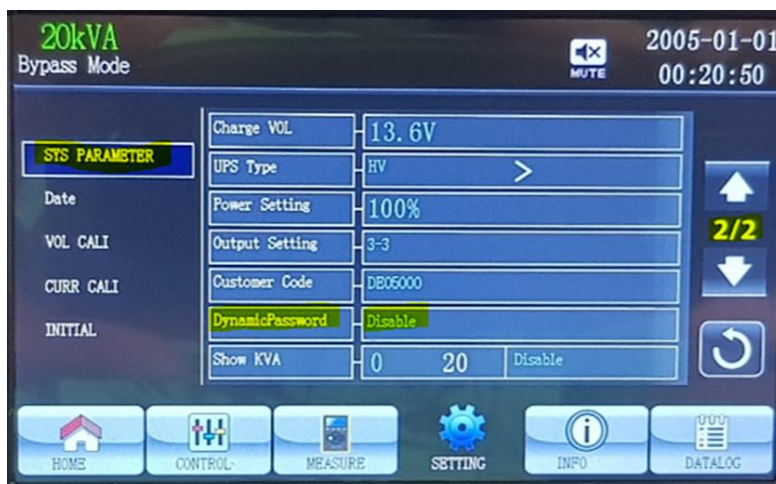
**Password**

The password can be set either to a current daily password (dynamic) or a fixed password (0729). The default password is a current daily password.

**A daily updated password must be requested from ONLINE UPS systems support.**

The password setting can be changed via the menu items -> SETTING -> ADVANCE (password is a current password or 0729) -> SYS PARAMETER, as well as "arrow down".

If DynamicPassword is set to "Disable", the Advanced Settings can be accessed using the fixed password 0729. If DynamicPassword is set to "Enable", it is a daily password.



## 12 Support

ONLINE USV-Systeme AG (ONLINE) is one of the leading manufacturers of uninterruptible power supplies (UPS). Since 1988, the German company has focused on the development, production, sale and support of UPS systems. Based on unit numbers sold, ONLINE products are the German number one in the UPS market and internationally recognized because of their top quality and excellent support.

As a German provider, ONLINE guarantees direct approachability, simple processing and short response times. Comprehensive support is a matter of course – before and after purchase.

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- Phone: +49 (0)89 242 39 90-17
- Free 24 h Advance Exchange
- Interactive UPS configurator online or as app
- Optional Extended Warrant
- Unbureaucratic 14-day money-back guarantee
- H Excellent product availability and wide network of distributors

**Further Information:** > [www.online-usv.de](http://www.online-usv.de)

## 13 Warrant

ONLINE USV-Systeme AG (ONLINE) guarantees that this product will be free of material and production faults for a period of three years from the purchase date. ONLINE's obligation in accordance with this guarantee is restricted to the repair or replacement (at ONLINE's discretion) of any faulty products. Before warranty claims can be asserted, a Returned Material Authorization (RMA) number must be obtained from customer services. Products must be returned with the postage paid by the sender, a brief description of the problem and evidence of the place and date of purchase. This warranty does not apply to devices damaged by accidents, negligence or misuse or those which have otherwise been altered or modified.

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