

Sunbatt Battery / QUICK START GUIDE

Valid for



Sunbatt Flex 9.6/ 12.8/ 16.0/ 19.2/ 22.4/ 25.6

Please note that this is a **Quick Start Guide** only, which is a shortened assistance for the installation of the **Sunbatt Peak** and **Sunbatt Flex**. *It does not replace the Operating Manual*, which must be read and understood completely before installation. Please download and view it on this website: www.sunbatt.eu

Attention: High Voltage! Improper handling can pose a risk of electric shock and damage.

This guide and procedures described herein are intended for use by skilled workers only.

A skilled worker is defined as a trained and qualified electrician or installer who has all of the following skills and experience:

- Knowledge of the functional principles and operation of on-grid systems.
- Knowledge of the dangers and risks associated with installing and using electrical devices and acceptable mitigation methods.
- Knowledge of the installation of electrical devices.
- Knowledge of and adherence to this guide, the complete installation manual and all safety precautions and best practices. In order to ensure the normal operation of the Sunbatt Battery System, please be sure to update the firmware to the latest version and finish the configuration on the Sunbatt LCD display in accordance with this document.

If there are errors generated during the commissioning or operation, please read the **Service Manual** alongside this document, or digital version on the website.

If the battery system doesn't start at all, please contact the Sunbatt service team within 48 hours. Otherwise, the battery could be permanently damaged.

Please do not stack up batteries without protective packages when storing or handling batteries, except for installation.



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1. Scope of delivery



1 BMS



1 Base



1 Female power cable coupler



1 Male power cable coupler



4 Network cable coupler



4 Screw M4×16



1 Documents



1 Drilling template



unlock protection sleeve







1 Battery stack

1 Hanger

2 Screw (M6 × 16)



2. Installation location



Max +55 °C



Min -10 °C



RH. +5%~ +95%





















3. Installation Limitation







Max. 6 towers in parallel



4. Installation



- www.sunbatt.eu



5. Connection Diagram

В





А	IN	IN port for parallel tower connection
В	OUT	OUT port for parallel tower connection
С	ETH	Network port for connecting a router or network switch
D	INV	Port for connecting an inverter data cable
Е	PE	Grounding cable connecting point
F	P-	DC- to inverter
G	P+	DC+ to inverter





6. Cable Preparation

6.1 Network Cable





7. Electrical Connection

7.1 PE Connection





7.2 Data Cable Connection







Cable Length ≤ 20m

5





7.3 Router Connection



7.4 Parallel Connection



7.5 DC Connection



8. Configuration

8.1 Switch on the Battery







8.2 Single Tower Configuration

8.3 Multiple Towers Configuration



9. Switch ON/OFF Procedure



10. Extension

	Original Battery SOC≈30%	
New Battery SOC≈Y%		

Refer to the following table to find out the SOC (Y) corresponding to Voltage X.

FLEX		
Voltage (X)/V	SOC (Y)	
X < 63.6	0-5%	
63.6 ≤ X < 64.48	5-10%	
64.48 ≤ X < 65	10-15%	
65 ≤ X < 65.54	15-20%	
65.54 ≤ X < 65.96	20-25%	
65.96 ≤ X < 66.1	25-30%	

PEAK		
SOC (Y)		
0-5%		
5-10%		
10-15%		
15-20%		
20-25%		
25-30%		

Wifi: WTS-XXXX Password: XXXX@PSF

SN: K000T010ZXXXXXXXXXX

Wi-Fi name, password and serial number.



ANNEX 1: CONNECTION OPTIONS WITH INVERTERS

1. Solis S6-EH3P(3-10)K-H



2. Sosen SSE-HH3K-6K-P1-EU



3. Sosen SSE-HH8-12K-P3EU





ANNEX 1: CONNECTION OPTIONS WITH INVERTERS

4. Deye SUN-(5-20)K-SG01HP3-EU-AM2



4. GoodWe ET/ BT/ EH/ BH/ EHB





ANNEX 1: CONNECTION OPTIONS WITH INVERTERS

5. Sungrow SH 3.0/ 3.6/ 4.0/ 5.0/ 6.0 RS



6. Sungrow SH 5.0/ 6.0/ 8.0/ 10.0 RT



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