

Commissioning Report SMA Battery System

**Project data:**

Customer-/ project name:		Ticket- / case number:	
Contact person on-site:		Cell phone- / telephone-no.:	
Street address:		E-mail:	
ZIP code / city:			

Storage system:

System type:		Type of battery inverter:	
System capacity (kWh):		Battery module capacity (kWh):	
Number of APUs:		Battery modules per APU:	
Individual system:	<input type="checkbox"/>	Master / slave system:	<input type="checkbox"/>

Battery commissioning checklist :

Step	Description	✓	✗	Comment
1	Grounding of the battery cabinet and door	<input type="checkbox"/>	<input type="checkbox"/>	
2	Type label	<input type="checkbox"/>	<input type="checkbox"/>	
3	Battery's DC+ and DC- lines correct at battery fuse	<input type="checkbox"/>	<input type="checkbox"/>	
4	Grounding of the APU	<input type="checkbox"/>	<input type="checkbox"/>	
5	Mounting of the APU / battery modules	<input type="checkbox"/>	<input type="checkbox"/>	
6	E-STOP inserted	<input type="checkbox"/>	<input type="checkbox"/>	
7	24 V plug inserted (optional)	<input type="checkbox"/>	<input type="checkbox"/>	
8	Check DC connection cables, red plugs to red jacks (positive) and blue plugs to black jacks (negative). Serial battery module wiring	<input type="checkbox"/>	<input type="checkbox"/>	
9	BAT COM data cable	<input type="checkbox"/>	<input type="checkbox"/>	
10	Rack balancing, IN1 -> internal bridge from 1 to 4, connected from OUT1 to IN2, from OUT to IN up to the last battery module, last OUT - internal bridge from 1 to 4	<input type="checkbox"/>	<input type="checkbox"/>	
11	Cable fixing rail mounted above APU and cable fixed.	<input type="checkbox"/>	<input type="checkbox"/>	
12	DC+ and DC- line from charge controller correctly inserted at charger + and charger - on the APU. (NOTICE: Risk of reverse polarity!)	<input type="checkbox"/>	<input type="checkbox"/>	
13	LAN connection of the APU (LAN) with network switch	<input type="checkbox"/>	<input type="checkbox"/>	
14	LAN connection of the STPS60 with network switch	<input type="checkbox"/>	<input type="checkbox"/>	
15	ON/OFF termination of the APU	<input type="checkbox"/>	<input type="checkbox"/>	
16	Addressing of the APU	<input type="checkbox"/>	<input type="checkbox"/>	
17	Close DC high-voltage BAT FUSE, close DC load-break switch of the inverter	<input type="checkbox"/>	<input type="checkbox"/>	
18	Press on/off pushbutton for battery -> BMS is activated	<input type="checkbox"/>	<input type="checkbox"/>	
19	Number of battery modules correctly detected	<input type="checkbox"/>	<input type="checkbox"/>	
20	Check APU has started successfully -> Status: INIT -> PRECH. -> OK	<input type="checkbox"/>	<input type="checkbox"/>	
21	Check battery voltage and temperature on the display	<input type="checkbox"/>	<input type="checkbox"/>	
22	Establish LAN connection to battery	<input type="checkbox"/>	<input type="checkbox"/>	

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Step	Description	✓	✗	Comment
23	Check individual voltages and temperatures on the BatMon	<input type="checkbox"/>	<input type="checkbox"/>	
24	Check parameter list	<input type="checkbox"/>	<input type="checkbox"/>	
25	Check the software version	<input type="checkbox"/>	<input type="checkbox"/>	

Battery inverter and accessories

Component	Type:	Serial number:	Fixed IP address: (if assigned)
Battery inverter:	STPS-60:		
Inverter Manager:	IM-20:		
Data Manager:	EDMM-10:		
Energy meter / power analyzer:	Janitza UMG604E:		

Serial numbers for the battery system:

Battery cabinet 1:		Battery cabinet 2:	
APU 1:		APU 2:	
ABO 1.1		ABO 2.1	
ABO 1.2		ABO 2.2	
ABO 1.3		ABO 2.3	
ABO 1.4		ABO 2.4	
ABO 1.5		ABO 2.5	
ABO 1.6		ABO 2.6	
ABO 1.7		ABO 2.7	
ABO 1.8		ABO 2.8	
ABO 1.9		ABO 2.9	
ABO 1.10		ABO 2.10	
ABO 1.11		ABO 2.11	
ABO 1.12		ABO 2.12	
ABO 1.13		ABO 2.13	
ABO 1.14		ABO 2.14	
(optional) ABO 1.15		(optional) ABO 2.15	
(optional) ABO 1.16		(optional) ABO 2.16	

Comment:

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By entering the commissioning date and adding their signature, the responsible electrically qualified person confirms that commissioning has been carried out in accordance with the system manual and the instructions for the individual system components. The checklist for commissioning was used for support. Furthermore, the responsible electrically qualified person confirms that they have successfully taken part in a certification training course for the STORAGE-67-TV-10 high-voltage battery.

Of course, all data collected is subject to the SMA data protection guidelines and will be treated as strictly confidential.

Date of commissioning

Place, Date

Name of technician

Signature

Send to SMA via e-mail →

