Version 2.0 02/2021

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:	☐	Master / slave system:	☐

Battery commissioning checklist :

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

Step	Description	✓	✗	Comment
23	Check individual voltages and temperatures on the BatMon	☐	☐	
24	Check parameter list	☐	☐	
25	Check the software version	☐	☐	

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:

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 →