

TROES Corp.

Site Acceptance Test Form

Production Code _____
Vendor Name Shown _____ TROES Corp. _____
Purchase Order _____
Account No. _____ **Account Name** _____
Product Commissioning Completed Time _____

	Item No.	Content	Requirement	Actual result	Condition Acceptable Unless Indicated Otherwise
System inspection	1	Battery pack	Battery pack quality passes the inspection		
	2	Control module	Control module quality passes the inspection		
	3	Outdoor cabinet	Outdoor cabinet quality passes the inspection		
	4	Battery cell voltage	All the battery cell voltage should be within <u>2.5~3.8VDC</u> . And the voltage difference between any battery cells should lower than <u>0.4VDC</u> .		
Pre-installation check	1	Packing list check	No missing part.		
	2	Battery pack	Battery packs have no damage, voltage error.		
	3	Control module	Control modules have no damage		
	4	Outdoor cabinet	Outdoor cabinet, including battery racks, environment monitoring system and HVAC have no damage.		

Installation	1	Cabinet installation	Installation process meet the specification.		
	2	Battery pack and control module installation	The battery pack, control box installation process meets the specification.		
	3	DC power cable and communication wire connection	The power cable and communication wire connection meet the specification.		
Post installation checking	1	Battery pack & control module	Each bolts connected firmly as per manual.		
	2	Power cable	Positive and negative poles of the power cable are inserted correctly. Male and female colors of the power connector are the same, B+/B- and P+/P- power connectors of the control box are inserted correctly.		
	3	Communication wire	Communication, debugging, DI/DO, and AC power connectors are properly inserted, especially to ensure that the communication ports are not introduced into the power supply.		

Functional checking	1	BMS power up	Connect the AC power and turn the knob switch or air switch to the ON position, the BMS can be powered up normally and the touch screen can be lit normally.		
	2	Screen communication signal checking.	The screen communication is normal, such as the abnormal screen page will prompt.		
	3	System function checking	The system could be charged and discharged normally.		
	4	System power-up checking	If there is no abnormality in the system, click the start button, the green light of the main control box is always on, the running indicator of the battery cabinet control box can be lit normally.		
	5	System operation checking – cell level	Do a full charge/discharge cycle, the voltage, current, power and temperature of each battery cells have no obvious abnormal values, and whether the battery cells have an abnormal state. When the system is in a static state, the voltage, current and temperature on the main surface of the screen have no obvious abnormal values. If the voltage of the cell is normal, it will be between 2.5V and 3.8V. And the voltage difference between any battery cells should lower than <u>0.4VDC</u> . The temperature is approximately the same as the ambient temperature, and the current fluctuates around 0A.		
	6	System operation checking – battery pack level	Do a full charge/discharge cycle, the voltage, current, and temperature of the battery pack information page have no obvious abnormal values, the BSU communication status is normal, and the battery pack has no abnormal state.		
	7	System operation checking – system level	Do a full charge/discharge cycle, the voltage, current, power and temperature of the system have obvious abnormal values, and system have no abnormal state.		
	8	DC/DC checking	After short pressing the start		

			button, disconnect the AC power supply, the battery system DC/DC can supply power to the BMS normally.		
	9	E-Stop function checking	After taking the E-STOP, the contactors of each battery pack are disconnected, the green light of the main control box flashes, and there is no voltage at the load end of the battery system.		
	10	TCP/IP communication checking	The system's TCP/IP interface can communicate normally with the EMS;		
	11	System warning/error indicating checking.	Manufacturing fault (such as unplugging the communication line), the green light of the main control box is Blinking (or the fault indicator is lit), can the battery cabinet control box fault indicator be lit.		

I certify that the goods and/or services described above have been installed and commissioning completed as shown. Unless noted otherwise, all items are satisfactory.

Signature in ink by authorized person

Date Received

