



AC-DB-50KTL

User Manual



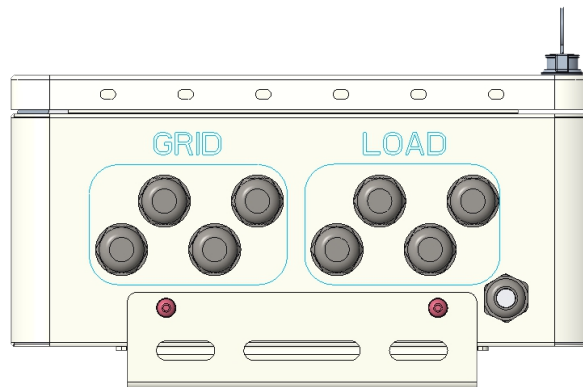
SHENZHEN ATESS POWER TECHNOLOGY CO.,LTD

AC Switch Box Wiring Guide and Terminal Label Mapping

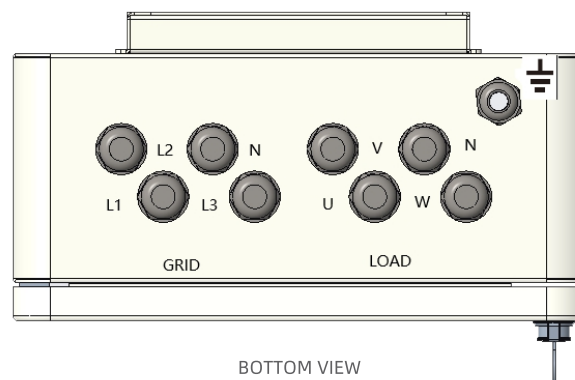
Wiring instructions, diagram, and terminal label mapping for the AC switch box are as follows:

According to the silk-screen labels on the top and bottom of the AC switch box, the labels for the load and generator interfaces on the switch box are consistent with those on the HPS system.

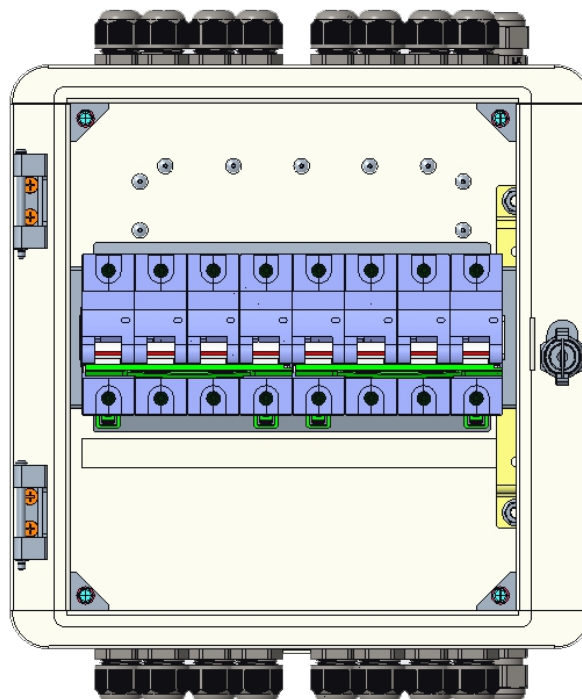
One AC miniature circuit breaker (MCB) in the switch box is connected between the customer's load and the HPS load interface. The other AC MCB is connected between the customer's generator and the HPS generator interface.



TOP VIEW

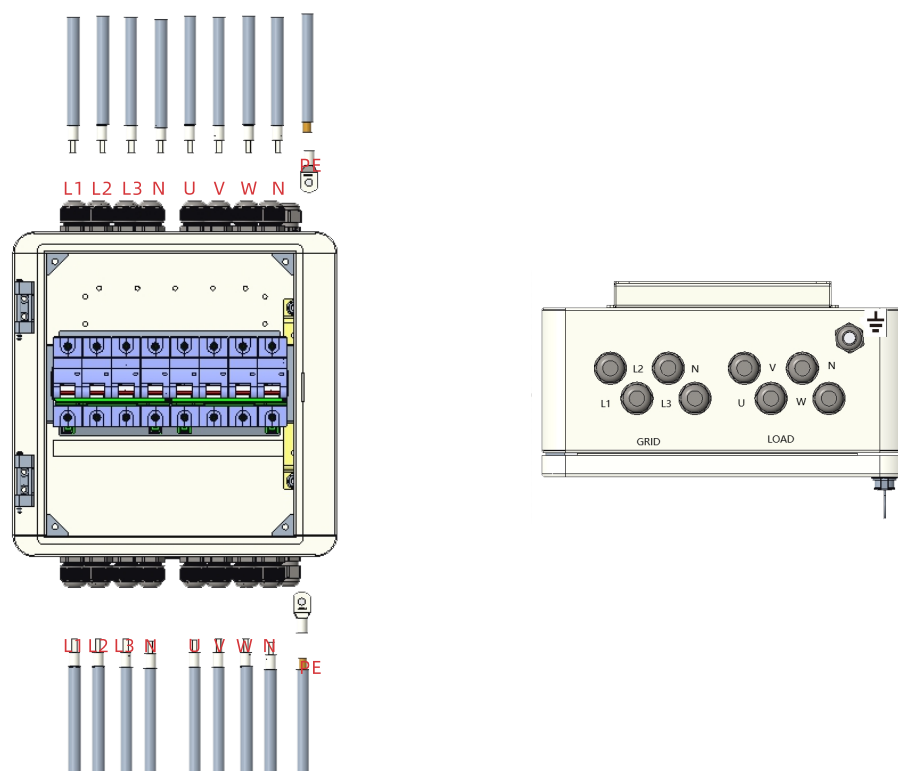


BOTTOM VIEW



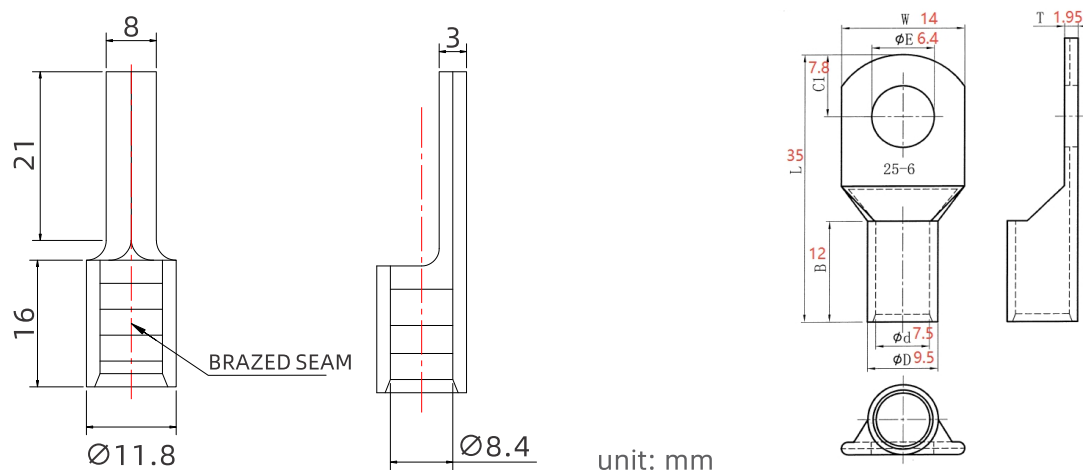
FRONT VIEW 1

AC Switch Box Wiring Diagram



HPS-GRID	L1	L2	L3	N	PE
HPS-LOAD	V	U	W	N	
GRID	L1	L2	L3	N	
LOAD	U	V	W	N	

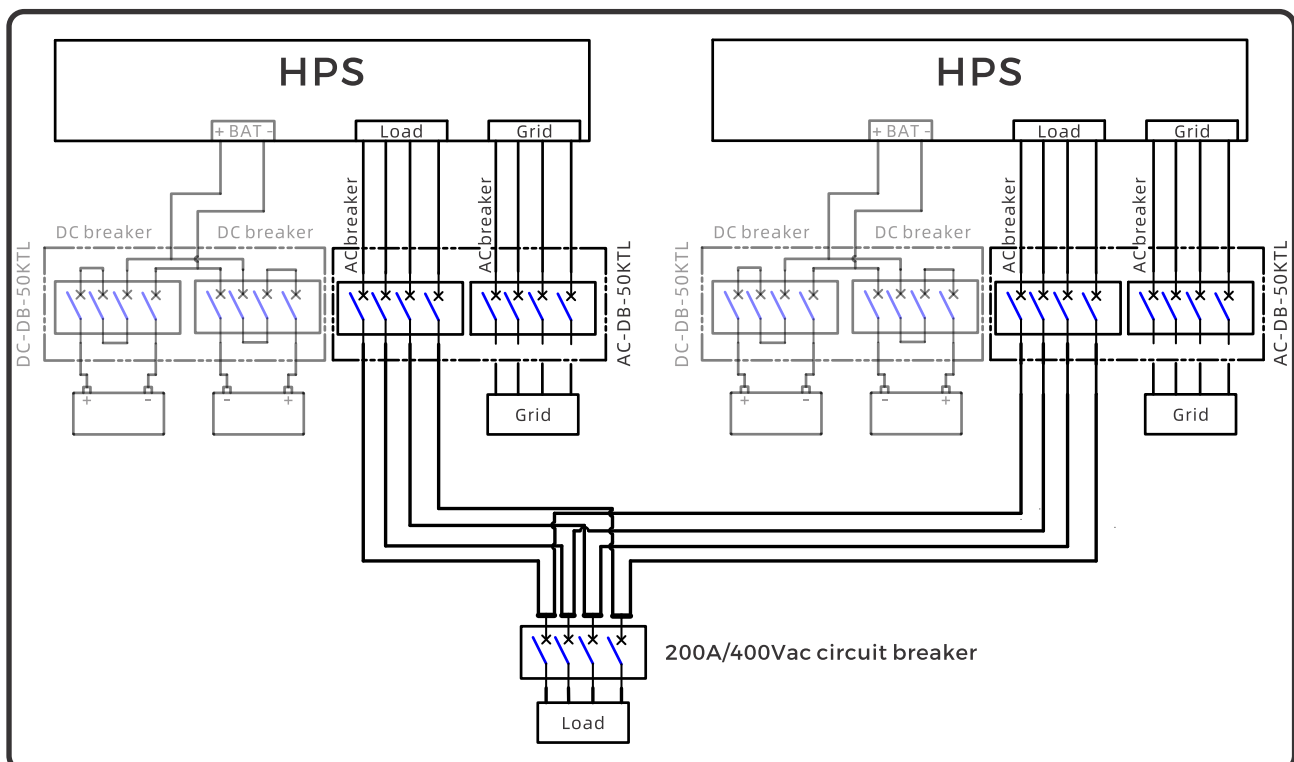
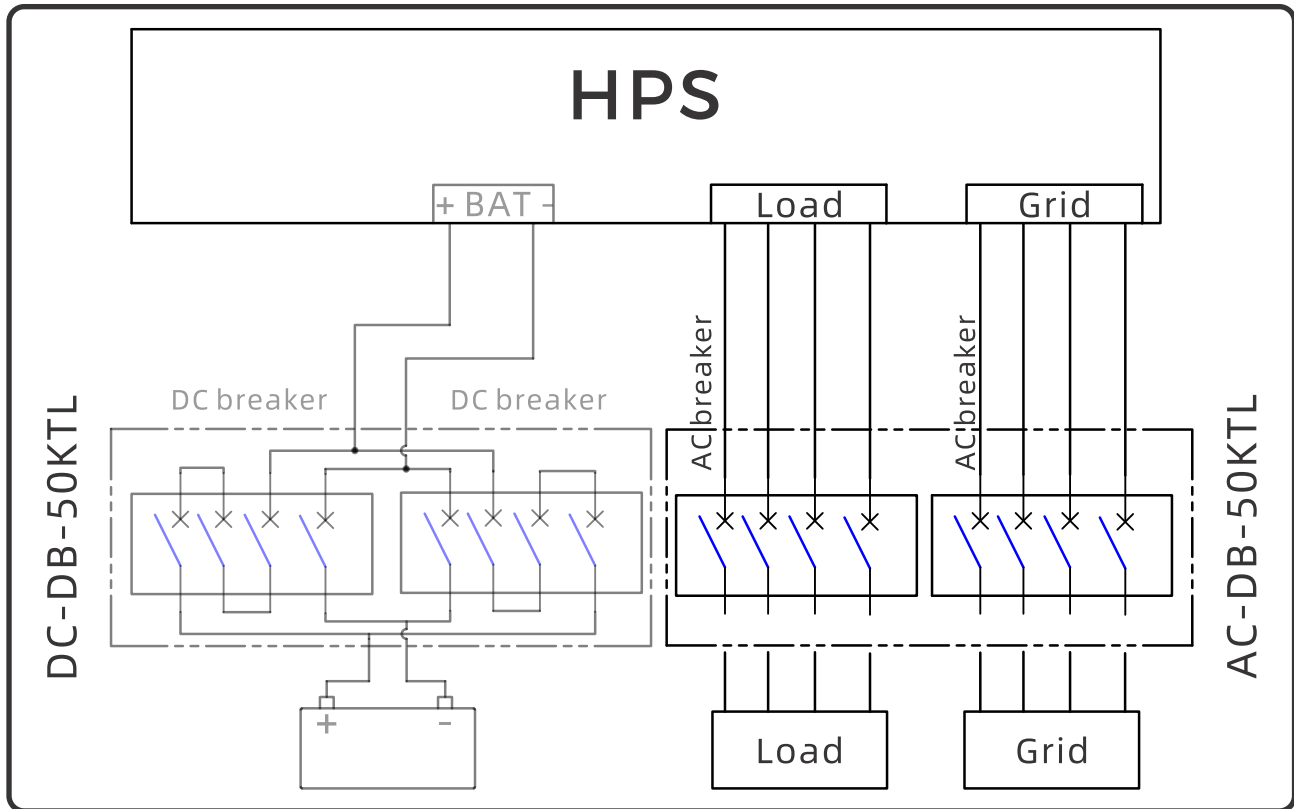
1. For load and grid wiring, it is recommended to use 35mm² or 2 AWG square copper wires. Ensure that the wire insulation has a voltage rating of at least 400VAC
 2. Before wiring, it is important to select appropriate wiring terminals. Two recommended types are shown in Figure 2 below.
 3. Required PE Cable Size: 25mm² or 3 AWG.
- Required Terminal : Model SC25-6



4. The wiring is sequential
- First, peel the wire, with a recommended peeling length of 15mm, as shown in Figure 3.
- Then crimp the terminal onto the wire, and connect the corresponding wire to the corresponding miniature circuit breaker.

Wiring Electrical Schematic Diagram

Wiring diagram for individual battery pack, ATESS DC-DB-50KTL, ATESS AC-DB-50KTL, and HPS Electrical schematic diagram of two HPS parallel wiring



Maintenance

Please communicate with the business regarding the warranty period, but there are several situations that do not fall within the warranty scope

- a. Intentionally causing damage
- b. Unable to resist natural disasters
- c. Damage caused by improper use

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