

COMBINER BOX OVERVIEW

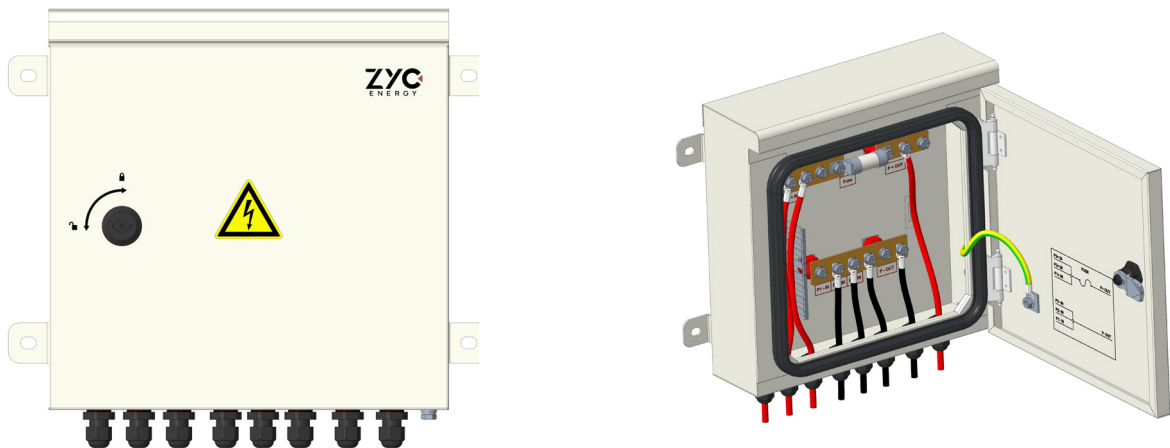
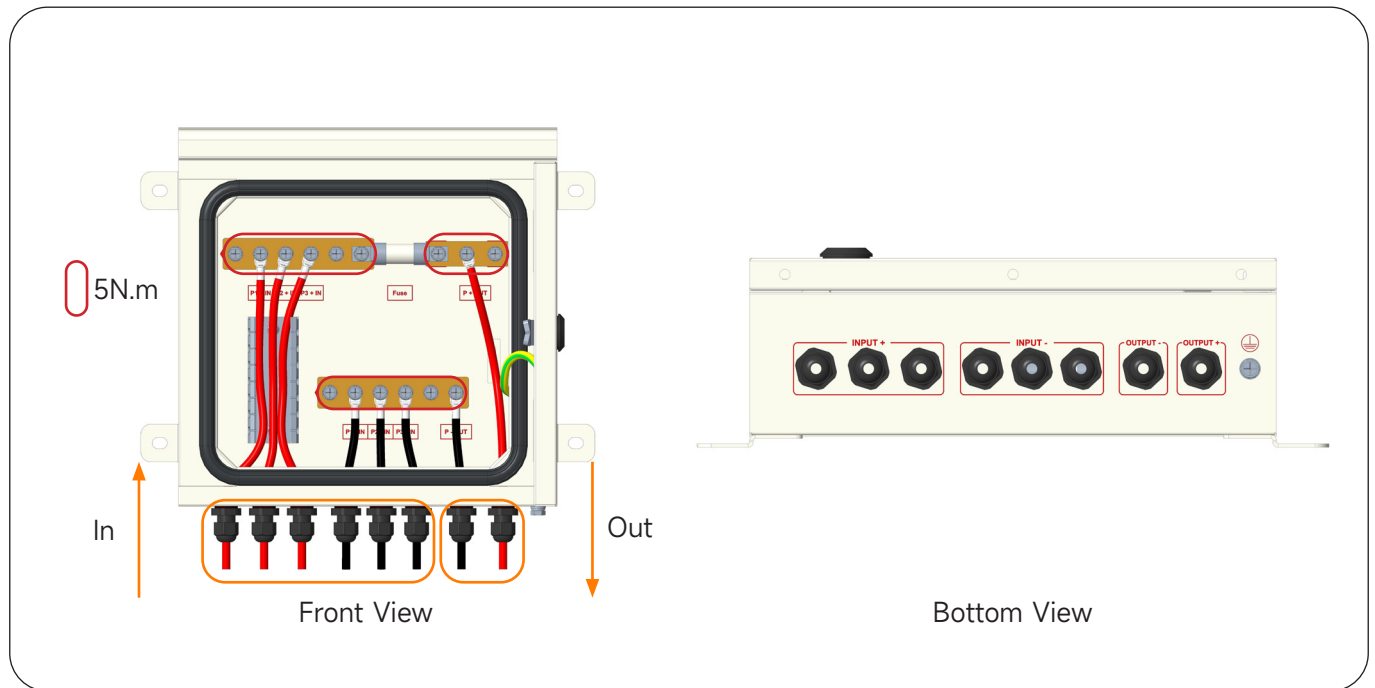


Figure 1

SPECIFICATIONS

Model	Combiner Box
Max Connection Towers	3
Max Input Current Per Battery Tower	30A
Max Output Current	30A
Dimensions(H/W/D)	325.5mm*360mm*102mm
Weight	5kg
Max Operating Voltage	1000Vdc.
Enclosure Protection Rating	IP55
Operating Temperature	-20°C ~+60°C
Screws for Cable Plug	M6x14
DC Input Cable Glands Entry	PG11(Φ5-10mm)
DC Output Cable Glands Entry	PG11
DC Conductor Cross-Section	6mm ² -16mm ²
Ground Cable Cross-Section	6mm ² -16mm ²
Torque	5N.m
Fuse	40A

WIRING



Connect power cables from every tower to 'P1~P3 IN+' and 'P1~P3 IN-' in the combiner box through 'INPUT-' and 'INPUT +' on the bottom of Combiner box, then tighten the screws with Torque of 5N.m. Then connect 'P+ OUT' and 'P- OUT' and route the power cable through 'OUTPUT +' and 'OUTPUT -'. After finishing all the wiring, install the cover of wiring circuit. The whole installation should be as below.

