COMBINER BOX OVERVIEW

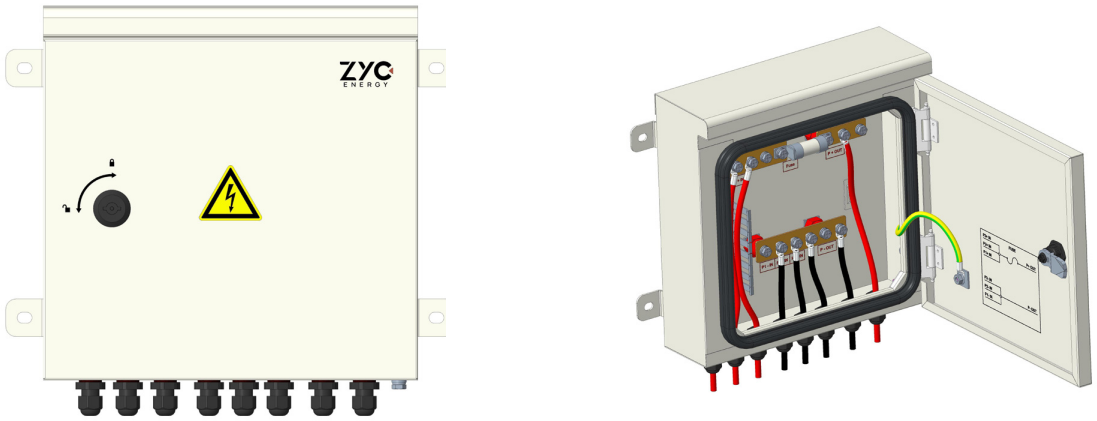


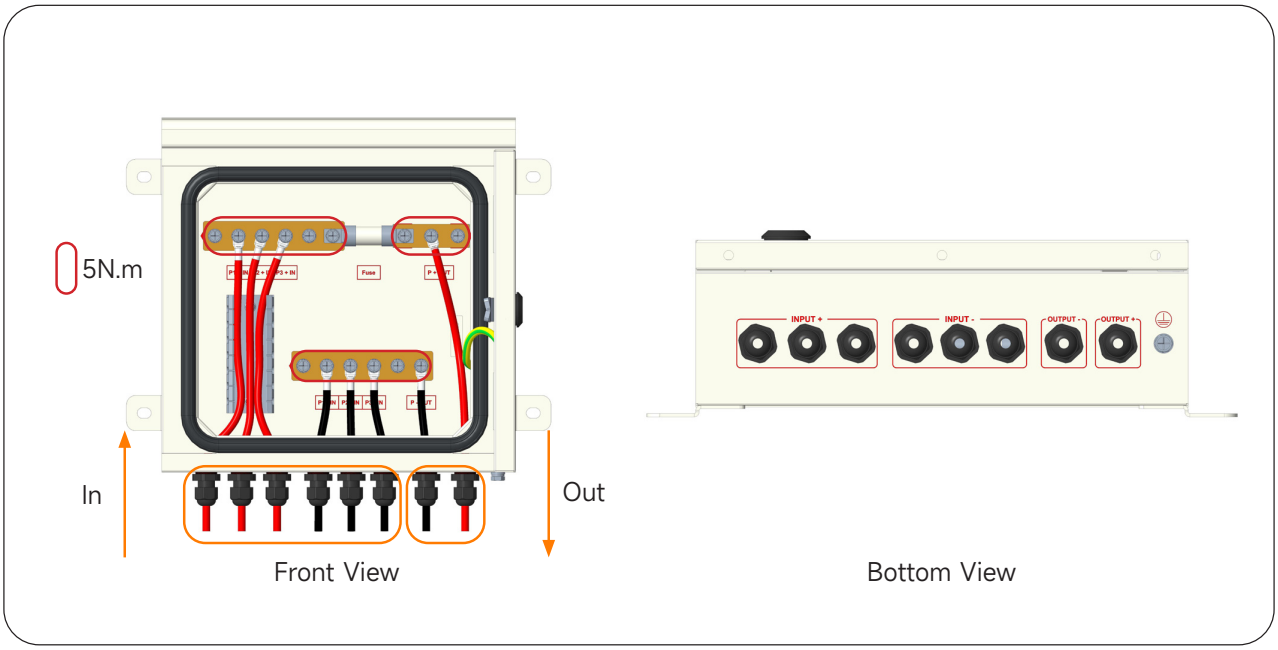
Figure 1

SPECIFICATIONS

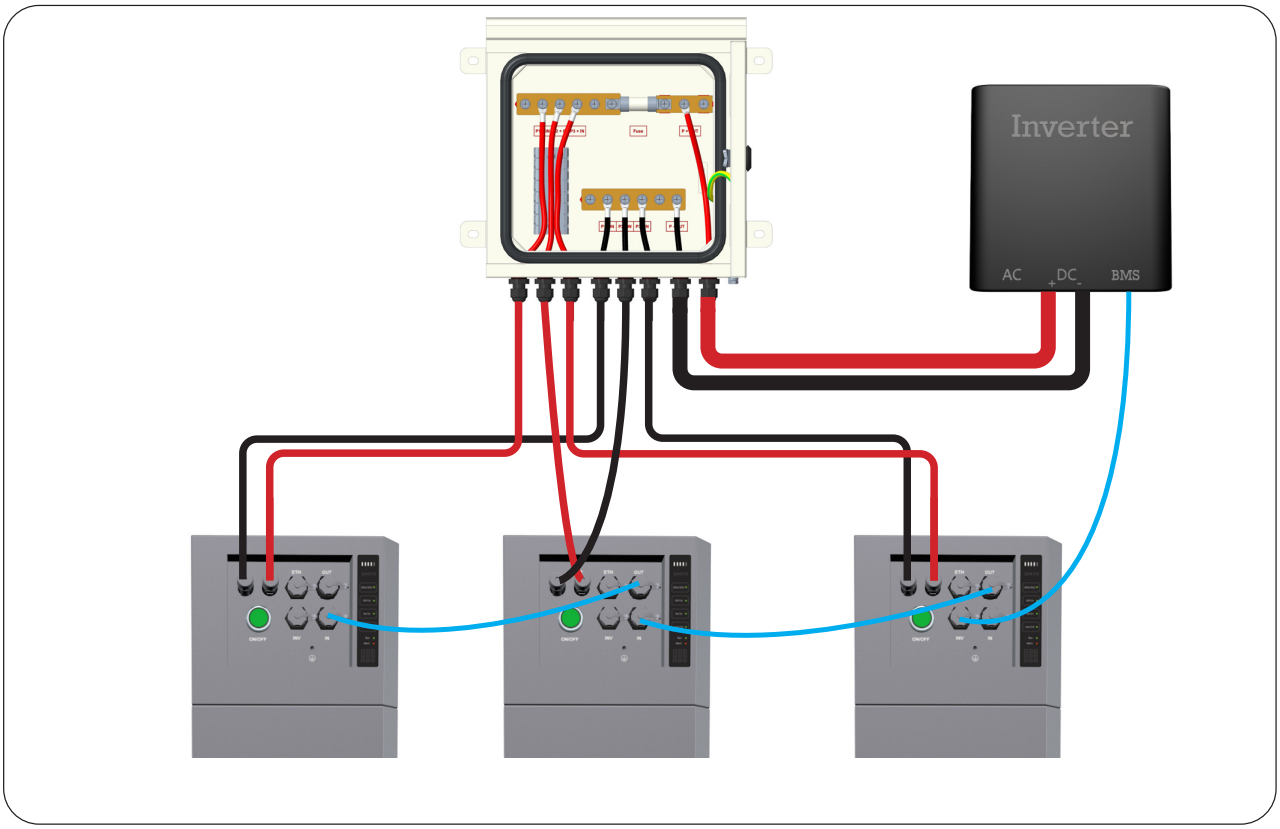
Model	Combiner Box
Max Connection Towers	3
Max Input Current Per Battery Tower	30A
Max Output Current	30A
Dimensions(H/W/D)	325.5mm*360mm*102mm
Weight	5kg
Max Operating Voltage	1000Vdc.
Enclosure Protection Rating	IP55
Operating Temperature	-20°C ~+60°C
Screws for Cable Plug	M6x14
DC Input Cable Glands 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

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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.



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