

Solar Air Conditioner

Installation Instruction

Hybrid ACDC Model Component



Solar Panel + Support



Solar Panel cable



Breaker







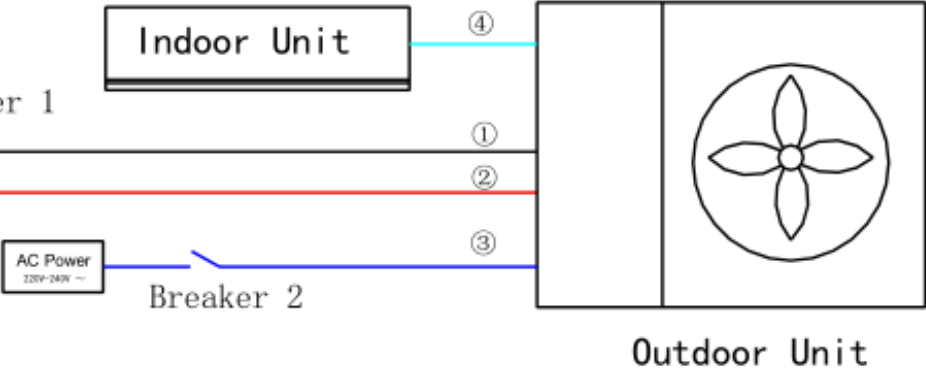
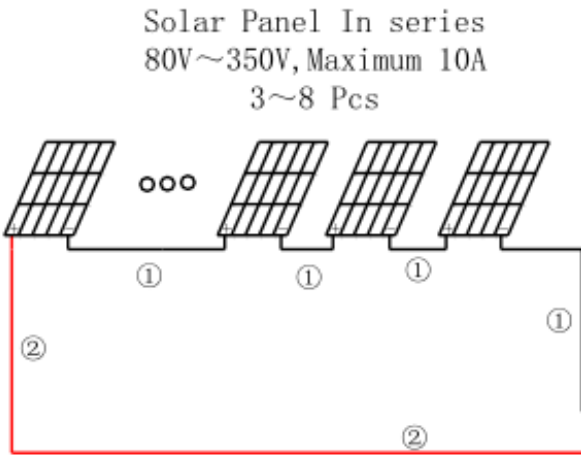
Indoor



Outdoor

Hybrid ACDC Elementary diagram

		9000BTU	12000BTU	18000BTU	24000BTU
①		PV1-F4mm2/12AWG			
②					
③		3*1.5mm2/16AWG	3*2.5mm2/14AWG		
④		4*1.0mm2/18AWG			
Recommed Solar Panel n(3~8)*P(275~350W)		3*300W	4*300W	6*300W	7*300W
Breaker 1		DC1000V ≥16A			
Breaker 2		≥16A		≥32A	



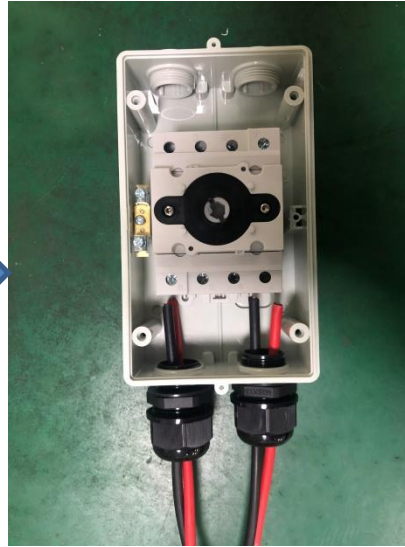
Step 1-Hybrid



Solar Panel series connection

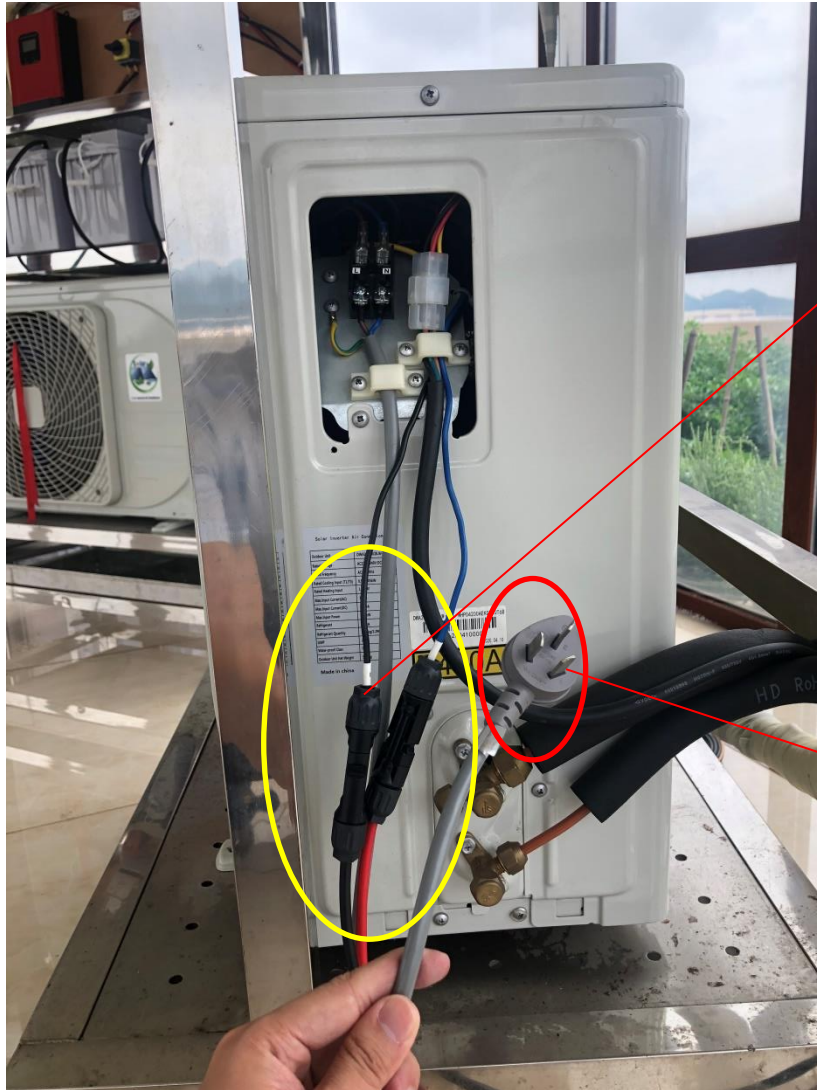
The total output voltage is 80~380V

Step 2-Hybrid



Solar Cable connect Breaker

Step 3-Hybrid



Solar cable connect with + - plug in outdoor

Noted: This plug with wire is not included in outdoor, customer need to purchase it. Can connect outdoor and grid power directly.

Step 4-Hybrid



→ Connect pipe and connection wire
from Outdoor to Indoor

Off Grid Model Component



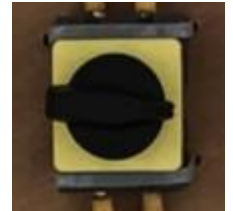
Solar Panel + Support



Solar Panel cable



MPPT



Breaker (3)



Indoor

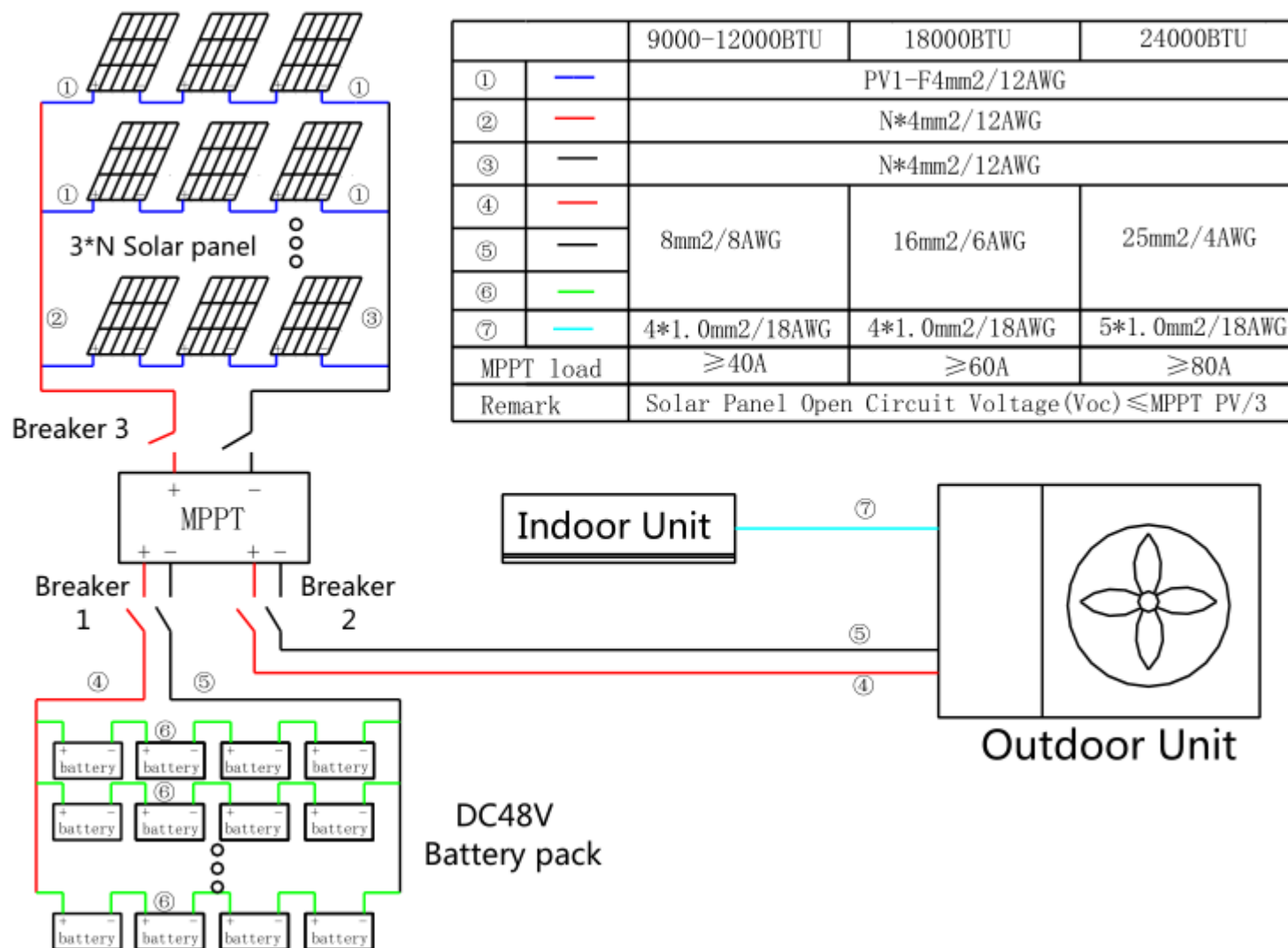


Battery



Outdoor

Off Grid Elementary diagram

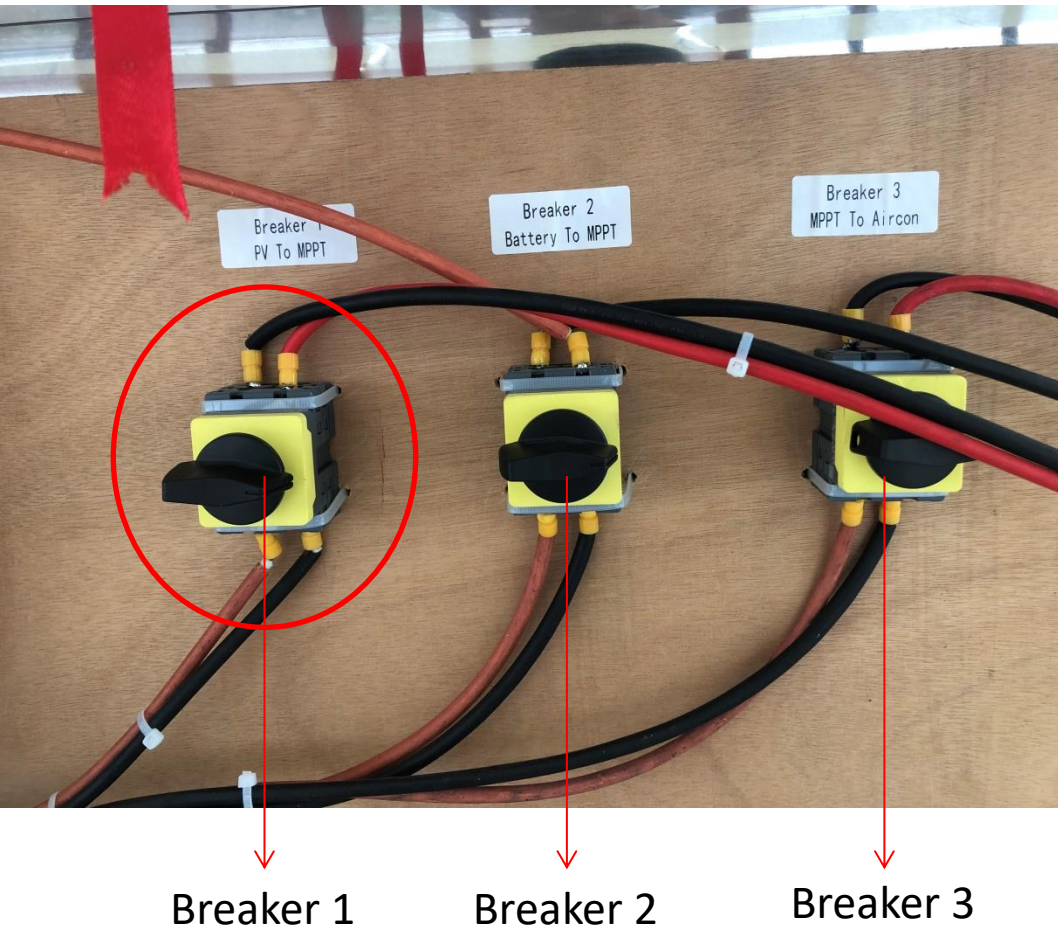


Step 1-Off Grid



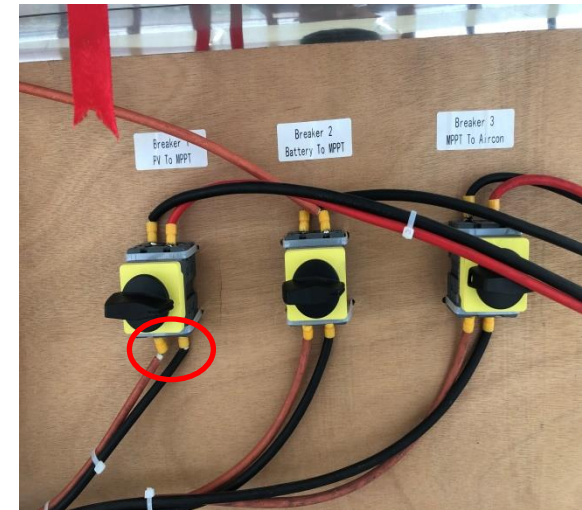
Solar Panel series connection

Step 2-Off Grid



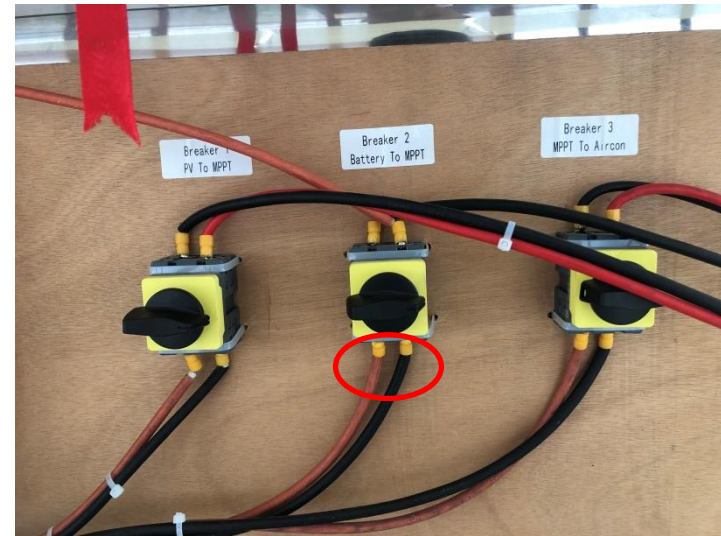
Solar cable connect to breaker 1
(PV to MPPT)

Step 3-Off Grid



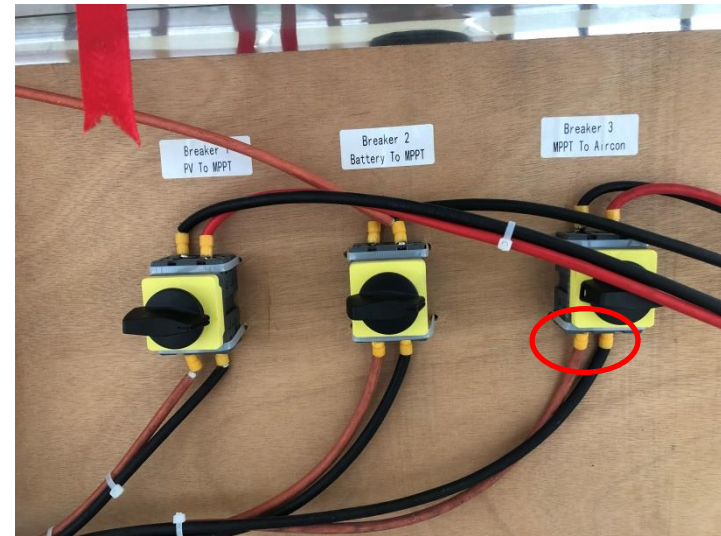
Breaker 1 to MPPT PV port

Step 4-Off Grid



Breaker 2 to MPPT Battery port

Step 5-Off Grid



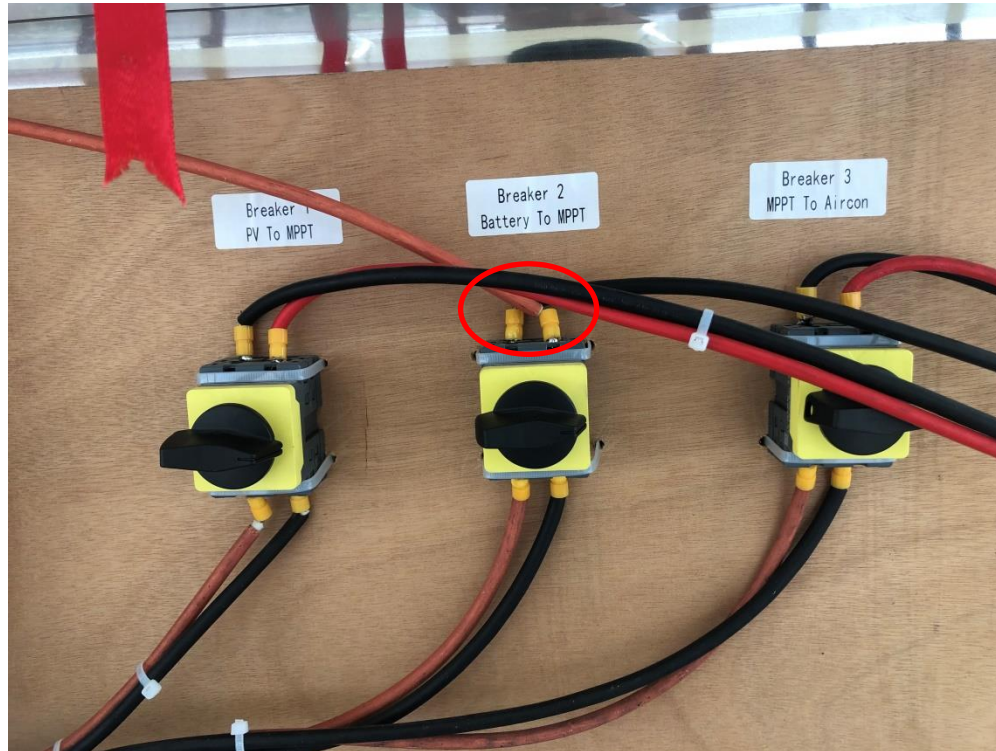
Breaker 3 to MPPT air conditioner port

Step 6-Off Grid



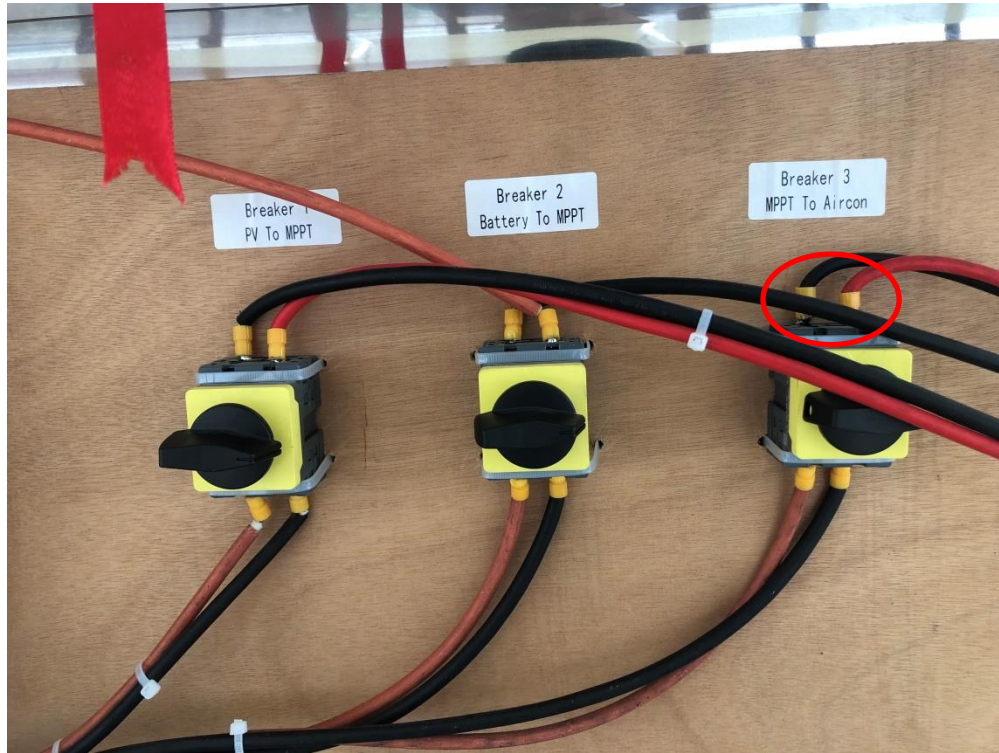
Battery connection in series(+ port to + port, - port to - port)

Step 7-Off Grid



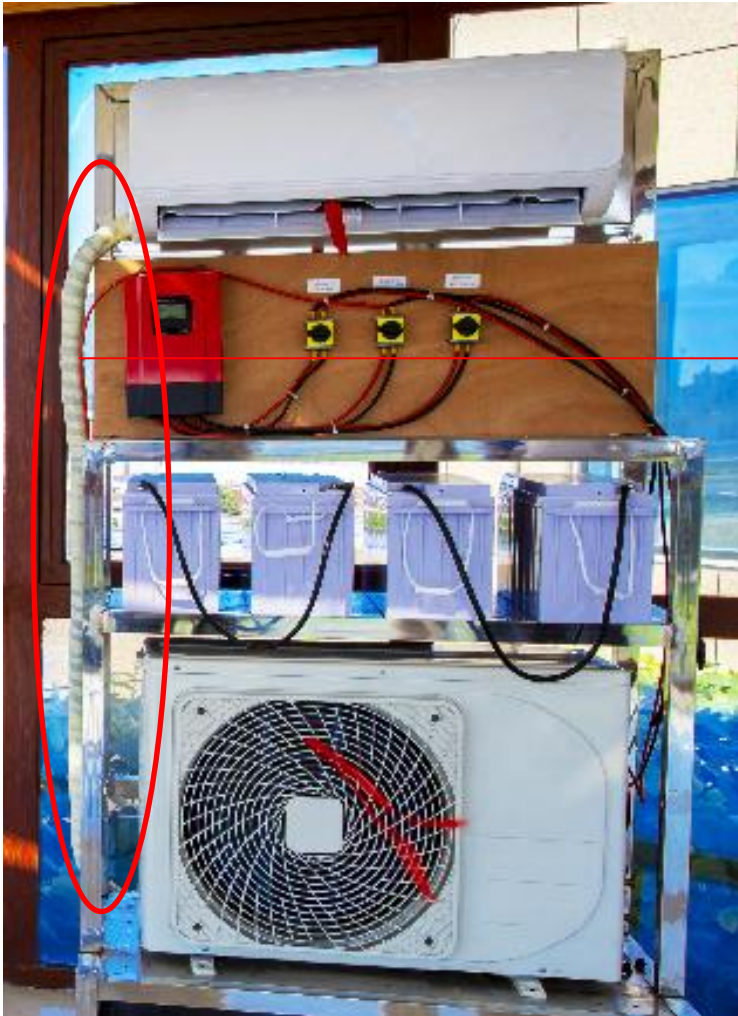
Battery connect to breaker 2

Step 8-Off Grid



Breaker 3 connect outdoor unit

Step 9-Off Grid



→ Connect pipe and connection wire from outdoor to indoor