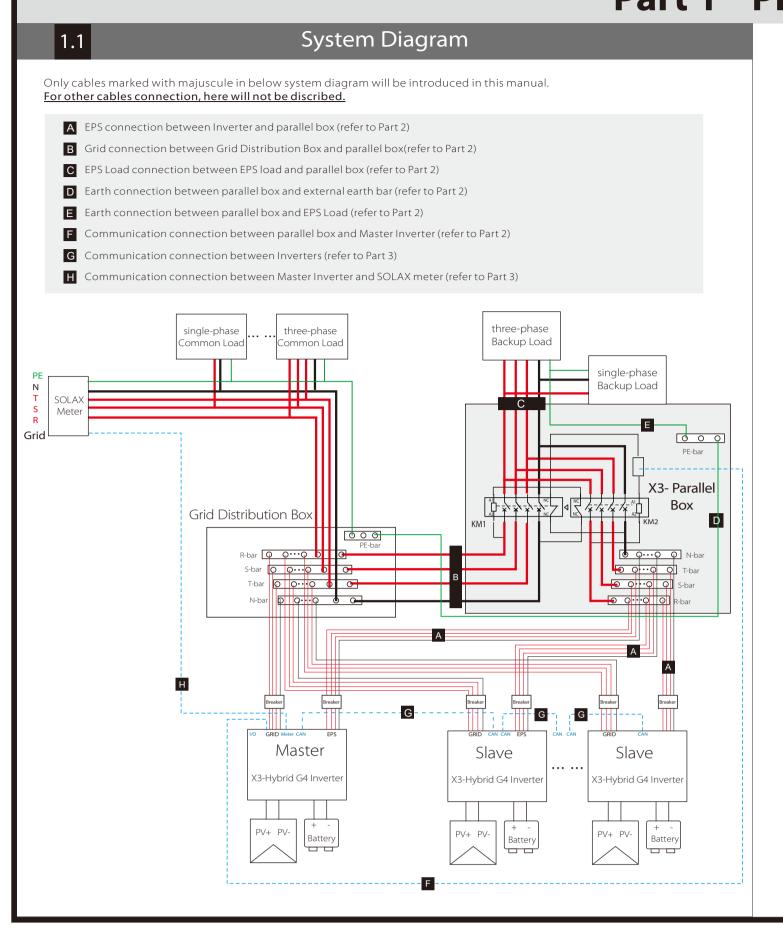
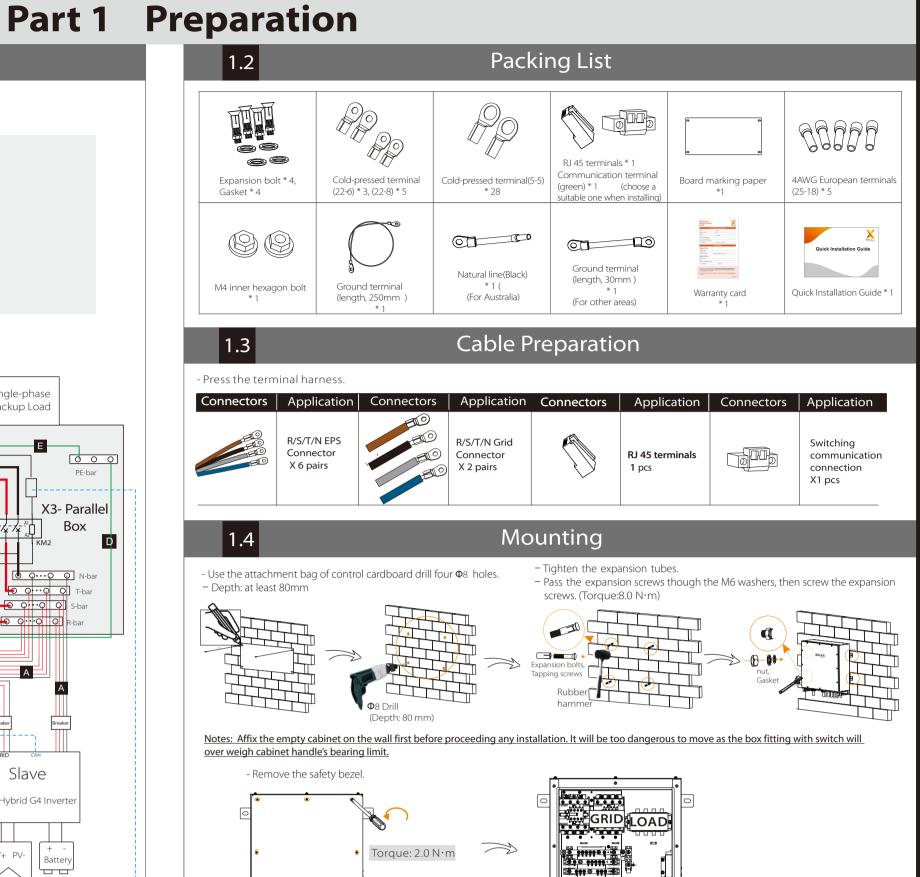
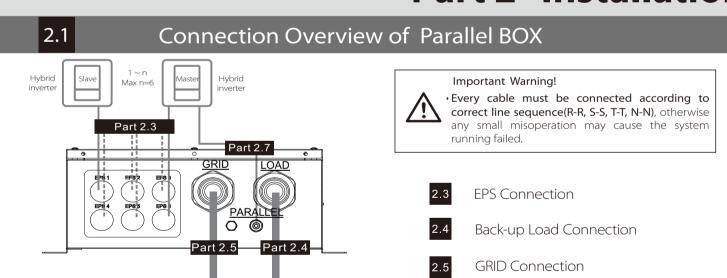
Quick Installation Guide _ for Parallel System







Part 2 Installation of Parallel BOX



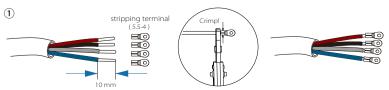
Cable Size Recommended 2.2

EPS	R-cable, S-cable, T-cable, N-cable	6mm² * 4 PCS for one EPS port
	Outer Diameter of EPS Cable	12. 5 -18 mm
	4 cables needed for one EPS port(one inverter) 8 cables needed for two EPS ports (two inverters paralleled)	
	24 cables needed for ten EPS ports maximummly (Six inverters paralleled)	
Back-up Load	R-cable, S-cable, T-cable, N-cable	25mm ² * 4 PCS
	Outer Diameter of LOAD Cable	18-44 mm.
	R-cable, S-cable, T-cable, N-cable	25mm ² * 4 PCS
Grid	PE-cable	10mm ² * 1 PCS
	Outer Diameter of GRID Cable	18-44mm
	Note: N bar connection in Australia is different from N bar connection in most countries.	
Communication	Communication cable	≥0.2mm ² * 2 PCS for one communiction port
	Outer Diameter of Communication Cable	6-8 mm

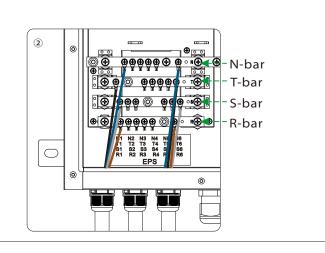


Make EPS cables

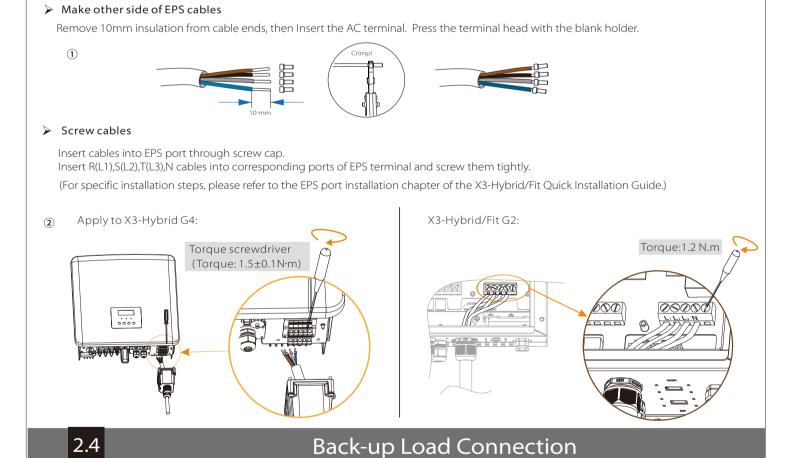
Remove 10mm insulation from cable ends, then Insert the stripping terminal. Press the terminal head with the blank holder.



Screw cables through the EPS port on the bottom of the BOX to corresponding EPS ports (R-bar, S-bar, T-bar, N-bar, G-bar) by screwdriver. (refer to picture as right) Torque:1.0 N.m



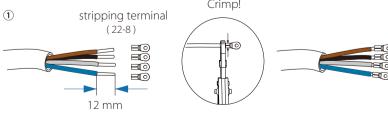
Communication Connection



Connection of Inverter side (please refer to Inverter User Manual for details)



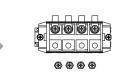
stripping terminal

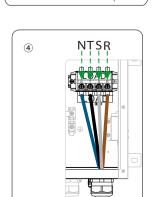


Pass the completed wiring harness through the Load port and follow the corresponding wiring ports (R-bar, S-bar), T-bar, N-bar) install it and tighten the screws. (Torque: 4.0 N·m) (refer to picture as right)



Connection of Parallel Box side





Connection of back-up load side

- > Selecting appropriate Back-up loads
- The requirement shown as below must be satisfied:
- 1: Algebraic apparent power of back-up loads must be less than Algebraic apparent power of hybrid system * 0.9. 2: Algebraic RCD apparent power of RCD back-up loads <u>must be less than</u> Algebraic apparent power of hybrid system * <u>0.6.</u>

Back-up Load connection of loads side should be analyzed and operated depending on specific loads. Here will not be described into details.

