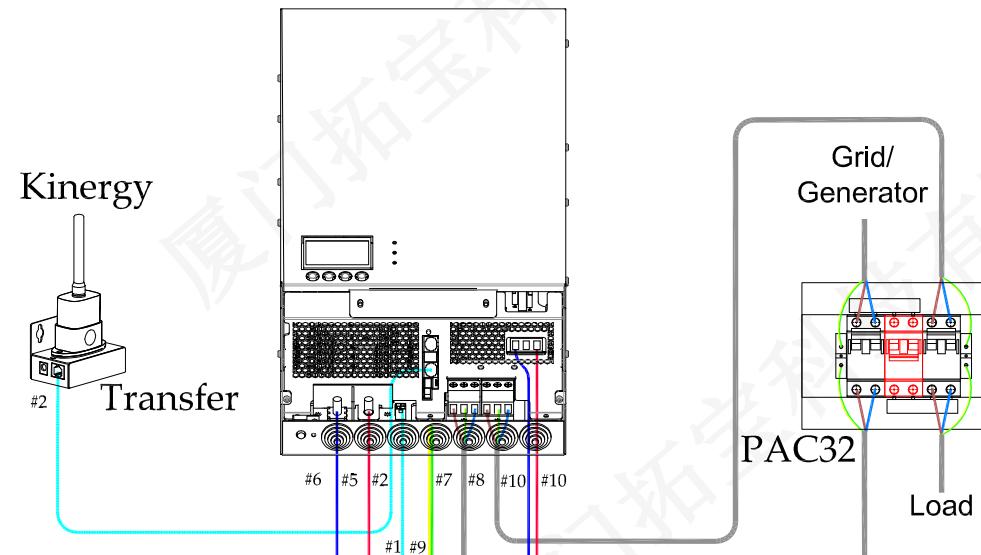


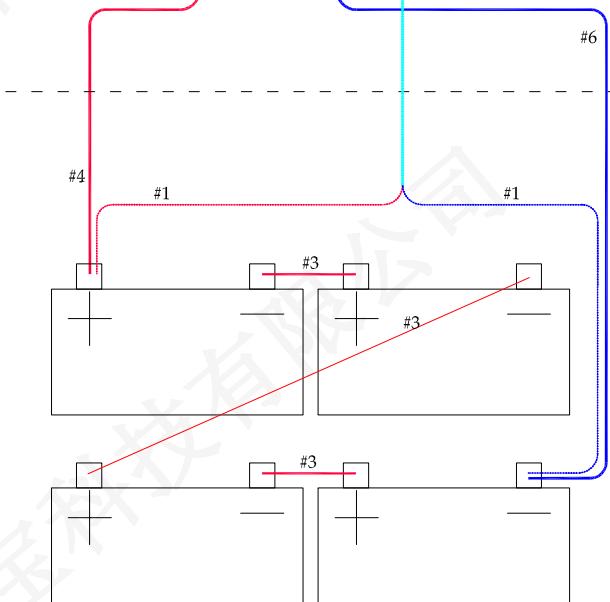
Applicable Models: RiiO Sun 2KVA-S, RiiO Sun 3KVA-S, RiiO Sun 4KVA-S

Indoor Wall Mounting

RiiO Sun

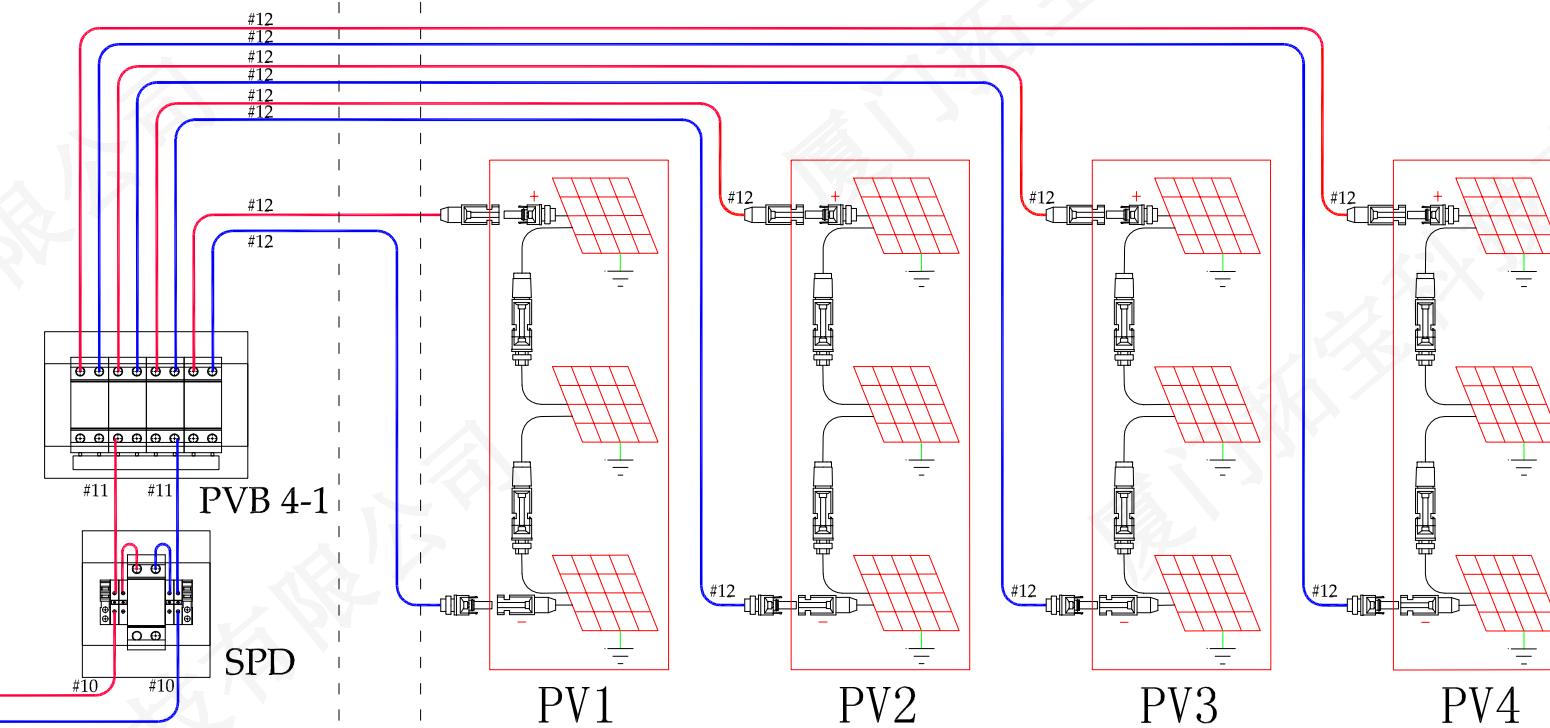


BSB



Indoor Floor Installation

Outdoor Installation



Wire No.	Wire function	Specification	Note
#1	Battery temperature and voltage sample	Bat sample cable, 5m	Optional
#2	Communication cable connecting the inverter with the Kinergy-Transfer	UTP4PR, pin 1 to pin 1, 8P8C, 2000mm	Included in the package of Kinergy-transfer
#3	Battery series wire	Recommended 35mm ² , with a ring terminal at both ends(M8)	Prepared by customers
#4	The cable connecting the battery positive terminal to the distribution module	Recommended 35mm ² , with a ring terminal at both ends(M8)	Prepared by customers
#5	The cable connecting the battery distribution module to the DC input of the inverter	Recommended 35mm ² , with a ring terminal at both ends(M8)	Prepared by customers
#6	The cable connecting the battery negative terminal to the DC input of the inverter	Recommended 35mm ² , with a ring terminal at both ends(M8)	Prepared by customers
#7	The cable connecting the AC distribution box to the AC input of the inverter	Recommended 6mm ² , with a tubular terminal at both ends	Prepared by customers
#8	The cable connecting the AC distribution box to the AC output of the inverter	Recommended 6mm ² , with a tubular terminal at both ends	Prepared by customers
#9	Grounding wire of Inverter	Recommended 6mm ² , with a ring terminal of the device (M6)	Prepared by customers
#10	The cable connecting the PV lightning-proof box to the inverter PV input	Recommended 10mm ² , with a tubular terminal at both ends	Prepared by customers
#11	Connecting wire from the PV bus bar to the PV lightning-proof box	Recommended 10mm ² , with a tubular terminal at both ends	Prepared by customers
#12	Connecting wire from the PV Panels to the PV bus bar	Recommended 4mm ² , with a tubular terminal and a MC4 terminal	Prepared by customers

Installation Caution

- ⚠ The open circuit voltage of the solar panels in series shall not exceed 150V.
- ⚠ The battery pack should be installed close to the inverter to avoid excessive voltage drop on the wires.
- ⚠ Connect the battery modules in parallel strictly as shown in the figure to ensure that the wire loops of each battery are of equal length.
- ⚠ The wire between the PV and the bus bar shall be the photovoltaic special cable
- ⚠ The selected MC4 connector should be produced by regular manufacturer
- ⚠ The metal frame of each solar panel should be grounded
- ⚠ This is a Safety Class I product. Uninterruptible protective grounding must be provided at the AC input and/or output terminals and/or chassis grounding point located externally on the product.

REVISION	V1.0	TBB PURSUIT OF PERFECTION POWER Co., LTD.	SHEET 1 OF 1	
DATE	JAN.29th 2021		DRAWN BY	
SCALE	N.T.S		Mika.Yuan	
DRAWING NUMBER			APPROVED BY	
NO.TBB-AN/E-C003-V1.0			Sky. Yi	

Installation schematic diagram for
RiiO Sun 2KVA-S,3KVA-S,4KVA-S
with the Lead-acid battery