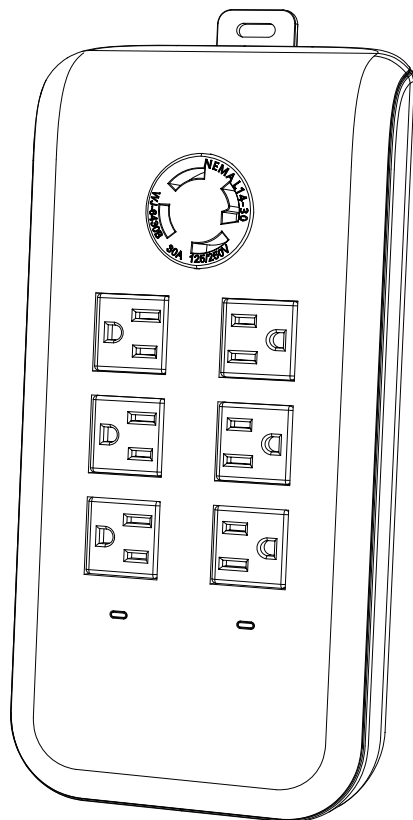




BLUETTI

P020A Split Phase Fusion Box

Please read this manual before use and follow its guidance. Keep this manual for future reference.



User Manual

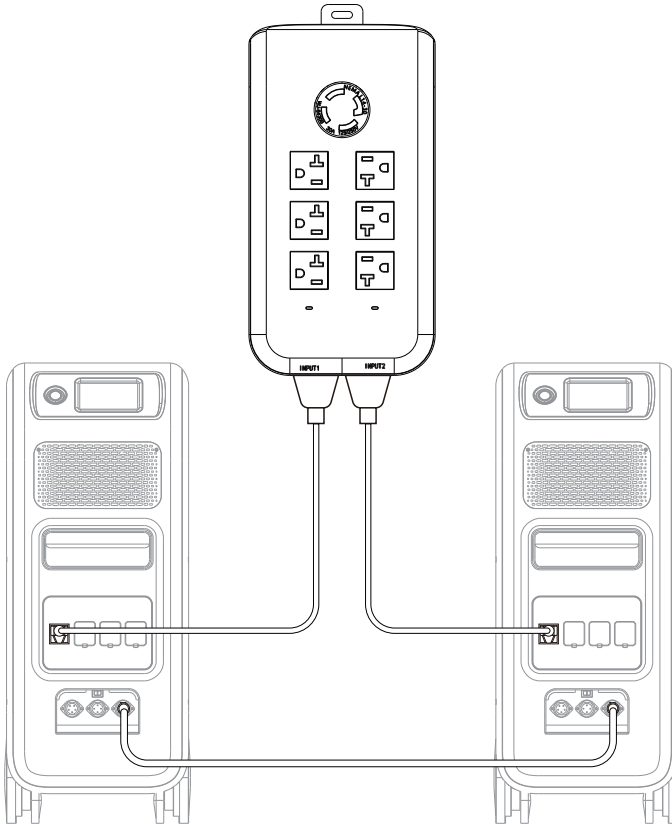
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BRIEF INTRODUCTION

Split Phase Fusion Box is used for connecting two EP500 units (exclusive for the 100-120V version) by bonding them effectively into one larger power system to double the output power, voltage, and capacity to 4000W Max @ 220-240V, 10240Wh.



(EP500 Split Phase Power System)

SAFETY INSTRUCTION

- P020A Split Phase Fusion Box is only designed for EP500 models(100-120V version), it is forbidden to connect P020A to any other power source such as wall outlet, power station, generator or grid.
- DO NOT place the P020A near heat sources. It is prohibited to place the P020A in an environment with flammable, explosive gas, or smoke.
- DO NOT attempt to replace the any internal/exterior component of the equipment by anyone other than authorized personnel.
- DO NOT operate P020A in wet conditions. If the equipment becomes wet, please let the unit dry completely before using.
- Please ensure proper ventilation while in use, inadequate ventilation may cause permanent damage.
- Warning: DO NOT insert foreign objects into any ports of the P020A. P020A generates the same potentially lethal AC power as a household wall outlet. Please use it carefully and keep children away from it.
- In case of the fire, only a dry powder fire extinguisher is suitable for the product.

IN THE BOX



Split Phase Fusion Box
x1 pcs



Communication Cable
x1 pcs



Input Cables
x2 pcs

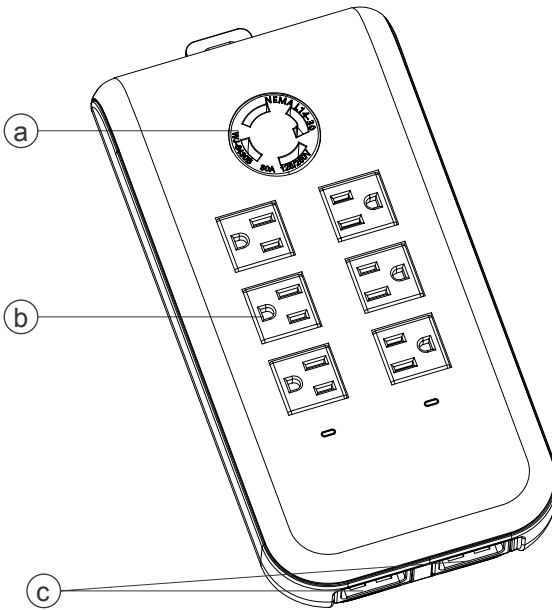


User Manual
x1 pcs



Certificate of QC Pass
x1 pcs

FEATURES OF P020A



a. NEMA L14-30: has an L-shaped neutral blade. available in ratings to 20A, allowing for 240V when supplied by split-phase power.

b. Standard AC receptacle: widely used in 100-120V areas, generates the almost same AC power as a household wall outlet.

c. AC input interface, to connect P020A to EP500.

Note:

When Split Phase System installation finished successfully, both of the two LED lights stay ALWAYS ON.

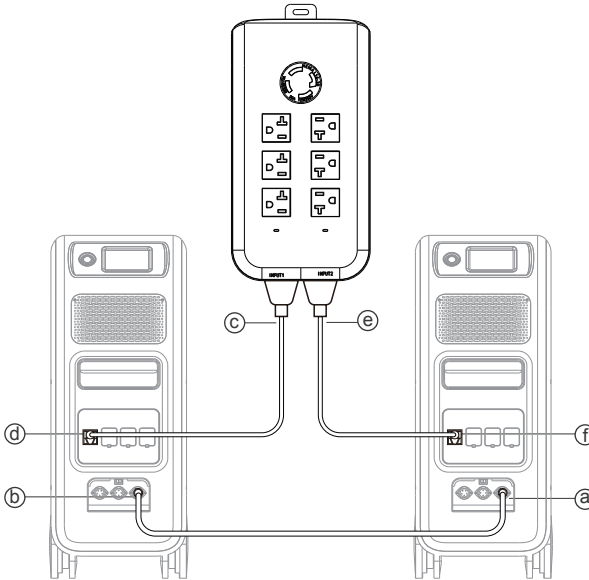
If the LED light is not active, please check the connection.

TECHNICAL SPECIFICATIONS

	Content	Min.	Rated	Max.	Note
P020A	AC Input				/
	Voltage	85V	100/120VAC	132V	/
	Current		20A±1A		/
	Frequency	47Hz	50/60Hz	63Hz	
	AC Output				
	①Voltage	170 VAC	200/240VAC	264VAC	NEMA TT-30
	①Current	/	/	20A	Total 20A
	②Voltage	85VAC	100/120VAC	132VAC	
	②Current	/	/	20A	Total 20A
	③Voltage	85VAC	100/120VAC	132 VAC	
	③Current	/	/	20A	Total 20A
	Frequency	47Hz	50/60Hz	63Hz	
	General Specs				
		Min.	Rated	Max.	
Working Ambient Temp.		-25°C	25°C	50°C	
Storage Ambient Temp.		-25°C	25°C	60°C	
Altitude		/	/	2000m	
Dimension		L272.7mm*W134mm*H54.3mm			
Net Weight		0.835Kg/1.84lb			
Net Weight of Input Cable *2		0.859/1.89lb			

LET`S GET STARTED

CONNECTION 1 (Standard Mode)



Step1.

Connect two EP500 with communication cables. (a-b)

Step2.

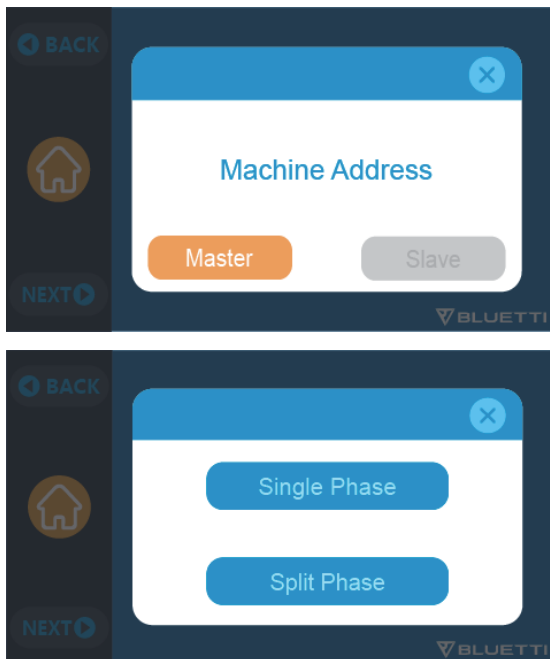
Plug the AC Input Cables into P020A from Standard AC receptacle of EP500. (c-d, e-f).

Step3.

a."Single Phase": the default machine type as operating one single EP500.



- b.**Select "Master" or "Slave" on touchscreen of the operating EP500(Tap Settings-Next - Machine Type).
- c.**Tap "Master" on touchscreen will set the operating EP500 as the one to control both two EP500.
- d.**Then select "Slave" on another unit to set the as the one controlled by another one EP500(Master).
- e.**Tap clear the alarm history if the buzzer sounded.

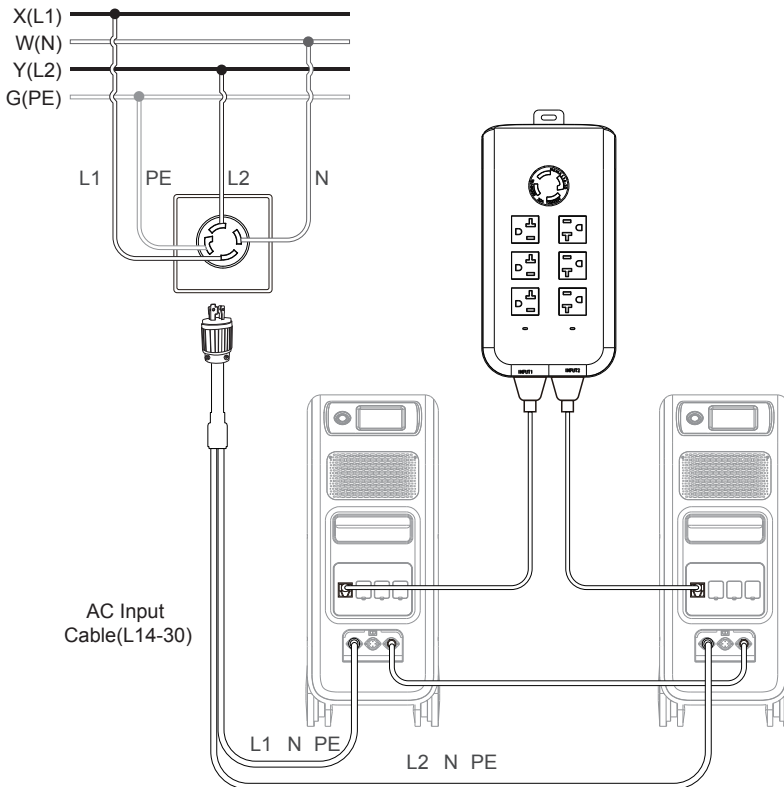


CONNECTION 2 (Power Mode)

In Split Phase Power System, it is recommended to charge the system by the Fusion AC Input cable. The AC input ports of the two machines are connected to L1,N,PE and L2,N,PE. Make sure that the phase of the two machines is correct. This AC Input Cable(**Optional Purchase**) is designed to match Split Phase System.

One end of the cable is connected to NEMA L14-30 socket, and the other end is connected to AC input interface of both two units through aviation plug. It must be ensured that the phase of the two machines is correct.

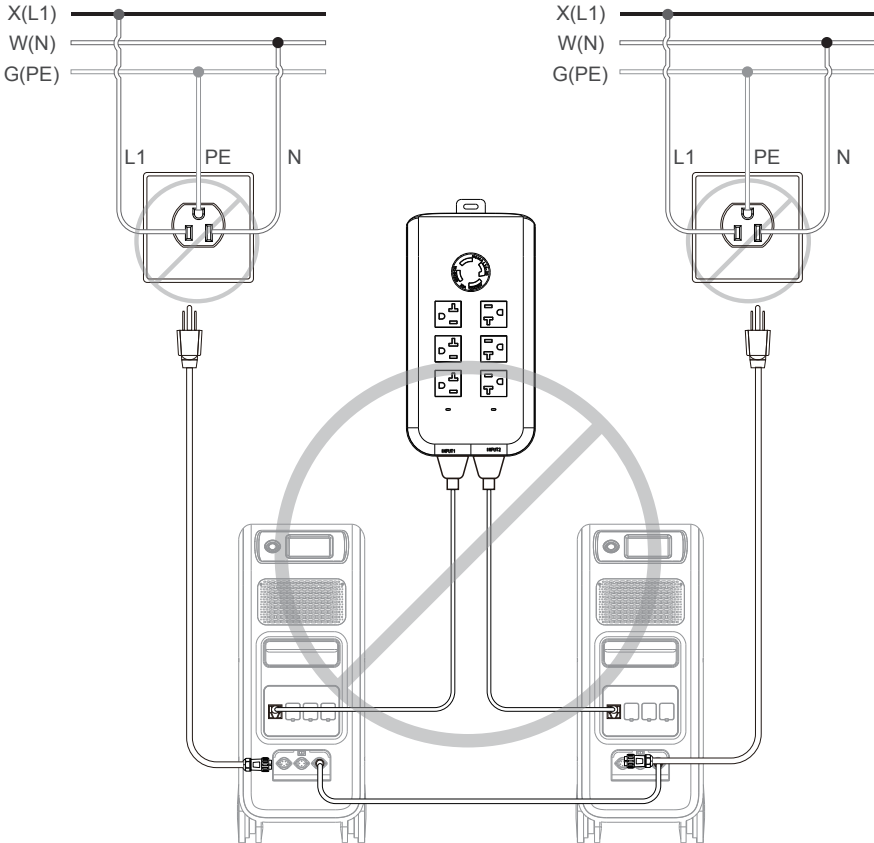
The current through AC input plug shall be $\geq 20A$.



WRONG CONNECTION

It's forbidden to build Split Phase System when the AC Input Port of EP500 has connected into wall outlet.

Please use the Fusion AC Input Cable(Optional Purchase) to charge both of your power stations in Split Phase System.



Wrong Connection will damage the battery inside the power station and your warranty will be invalid.

DECLARATION

- Some changes may occur without notice such as external appearance or specifications due to availability of material supplies or hardware improvements of the product over time.
 - Our company shall not be liable for any damage caused by force majeure such as fires, typhoons, floods, earthquakes or the user's intentional negligence, misuse or other abnormal conditions.
 - No compensation for damages shall be made for utilizing non-standard adapters and accessories.
 - This unit is not suitable for use on the relevant equipment or machines involving: Personal safety, such as atomic energy devices, emergency medical devices, etc., or any equipment or machines that require extremely highly reliable power sources.
- We are not responsible for accidents, fires, wrongful or negligent actions caused by such equipment or machines which results in damage.