


Greetings Bluetti Forum People,

I am reaching out to those who would know the answers to a few questions I have about my home that was built in 1956 and preparing to start the AC300 split phase home integration. I currently have the 2 AC300 base units, the AC300 split fusion box, Bluetti split phase charging cable, and 4 B300K batteries. I wanted to know if anyone has experience in older homes that did not install ground wires back in the 50's. Will the AC300 be OK supplying power to some ungrounded AC outlets? The main service entrance is grounded and bonded with the neutral. The 30 amp grid power outlet that will be charging the split phase AC300's is correctly wired. My rooftop solar panels are all grounded correctly and the (full sun) daily PV charge covers the 4 batteries nicely. I have installed grounds to all new circuits I have added, and rewired some of the old outlets, but rewiring the entire house would be brutal!

I will use a surge protector between the split phase output cable and the L14 30R input to the transfer switch. Seems like the fusion box has caused problems, so thinking I should not use my split phase fusion box? If I find out powering some ungrounded outlets is OK, I will order the Reliance AC300 310A PRO/TRAN transfer switch that includes the AC300 split phase output cable I would rather use than the fusion box. I also plan on adding 2 more B300K batteries to make it 6 total. I do not currently have any appliances that require 220 volt power, but my original plan was to use the 2 AC300 systems in split phase to cut down on my contribution to the NorCal PG & E monopoly, especially to help offset the criminally high cost of peak hour billing.

Last question is regarding the max split phase PV input. Is it 4800 like it is saying below,



**2\*AC300+2\*B300  
K+P030A**  
\$3,998.00 ~~\$5,327.00~~  
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AC Input	3,000 VA Max.
Solar Input	4,800W Max.

or is it just 2400W total in split phase mode? That would suck if it would require keeping them as single units to get the full 4800W? Thank you in advance for any help you can provide in answering my questions! Sincerely, Greg from Pittsburg.