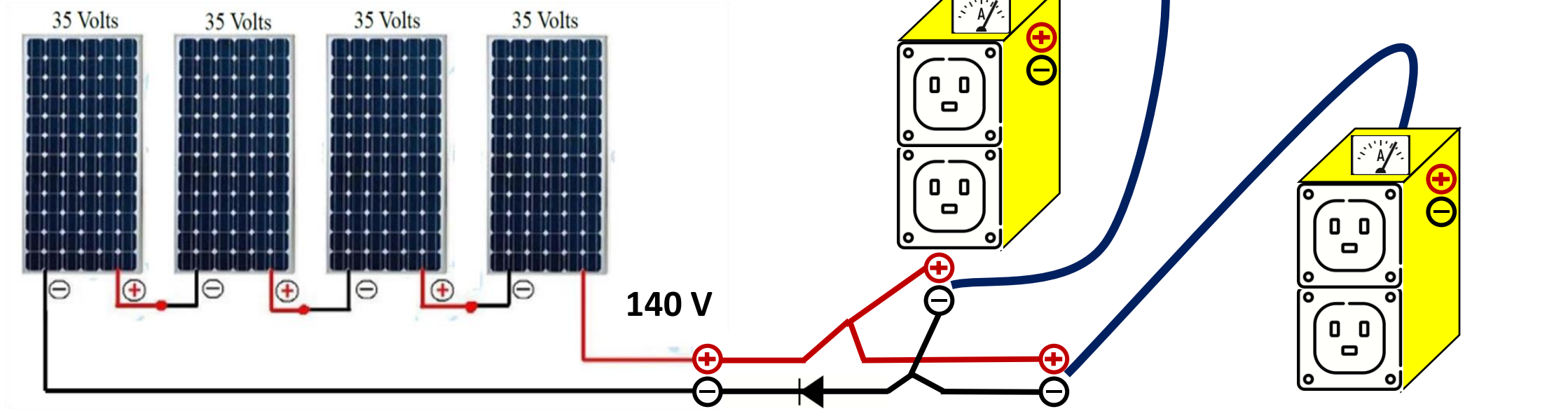


# DIY Grid Sketch: w/Prioritization



## Solar Panels

Vmax 140 DC

Vmax of the string (summing each panel Vmax in series) should be  $\sim 20\%$  above Load voltage\*

\*Solar output voltage (for most panels) decreases 0.4% per degree centigrade temperature above 25 degrees C. "HiT" technology panels don't have this limitation.

## DC Box: Jack Jr.

100-105V DC output (Japan)  
100-120V DC output (US)

This power is 99% direct current, which is interrupted to prevent sparks in switches.