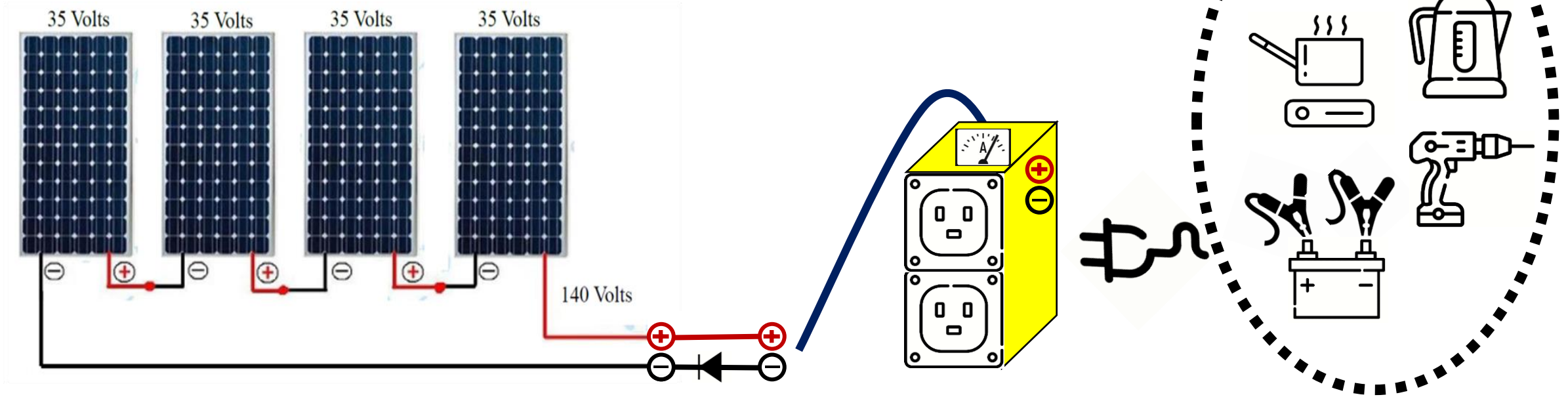


DIY Grid Sketch: Basic



Solar Panels

Vmax 140 DC

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

*Solar output voltage (for most panels) decreases 0.4% per degree centigrade temperature above 25°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.

Load

*Check if in [compatibility list](#) or confirm with us

If no back EMF detected or below limit then load is compatible with this box