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ZPower Technology Summary

A demonstrable **proof of concept prototype** which shows the following:

INFINITE - infinite energy source - the sun

ALWAYS ON - constant power generation, day and night

DENSITY - high energy density, small, compact

ANYWHERE - outside or inside - even underground - fixed or portable

SOLID-STATE - no moving parts, reliable, everlasting, long life, EMP protected

NO FUEL - no consumption of any fuel

NO EMISSIONS - no emissions, no greenhouse gases, no pollution.



The “Holy Grail” of Electricity Generation requires 3 things:

Clean - Affordable - Constant

ZPower’s Energy Panels are the only energy source that fulfills all 3.

Demonstration Details:

- The prototype is demonstrated at a **neutral location** (i.e., the viewer’s hotel or office), where no hidden wires or transmitters are located.
- Prototype **size** of 10” x 10” x 2” for the panels and electronics. Size of 12” x 12” x 12” in a clear, mostly open, plexiglass container.
- Prototype **weight** of 0.5 pounds for the panels and electronics or complete weight of 2.5 pounds including plexiglass container and plugs.

- The prototype provides electricity of approximately **14 to 18 volts** DC as measured by a Fluke meter.

- The prototype provides electricity to **light a minimum-size 300-watt halogen light bulb** for a minimum time of **1 hour**.
- Said light bulb will **produce heat**, showing receipt of usable electricity by the said light bulb.
- There are **no hidden wires** providing electricity to the prototype or to the said light bulb. And all wiring going from the prototype to the light bulb can be clearly seen.
- The prototype can be **lifted, handled and moved** while providing electricity to the said light bulb.

- The prototype consumes **no apparent fuels** (such as fossil fuels).
- The prototype has **no moving parts** (is solid-state).
- The prototype generates **no visible emissions**, greenhouse gasses or pollution.

Solar Panel Comparison:

Photovoltaic Solar Panels are a \$40 billion+ global market per year. The best solar modules have power density values of up to 235 W/m² (22 W/ft²). (see https://en.wikipedia.org/wiki/Solar_panel)

ZPower's prototype demonstrated a power density of 535 W/m² (50 W/ft²) - **230% better** than solar panels.

As ZPower's technology can work indoors and at night (producing electricity 24 hours a day versus 6 hours a day for solar panels), this demonstrates an additional **400% improvement**. In total, showing a cumulative **920% improvement** over photovoltaic solar panels.

Also, compared to electricity storage technology (i.e., batteries), ZPower's technology is significantly better, given the simple demonstration above, than the best lithium-ion batteries or supercapacitors.

Sincerely,



Reed N. Huish
President, ZPower

