Comparison: **Mr. Light / Solar Santa** vs. **The Competition**
100 LED Solar String Lights

Mr. Light / Solar Santa	The Competition
1. What if I live in a sunny place like New Mexico? Our panel housing is made from high-impact UV resistant Glass-filled Nylon material. Will last for many years outdoors in bright sunlight.	**1. What if I live in a sunny place like New Mexico?** The competition is mostly in the toy business, not the lighting industry. Non-UV ABS plastic is fine for toys, but will start to disintegrate after a few months in sunlight.
2. What about protecting the solar panel from UV rays of the sun? We use Tempered Glass to protect the solar panel. Tempered Glass will not yellow under UV rays.	**2. What about protecting the solar panel from UV rays of the sun?** The competition uses an epoxy coating over their solar panel - the coating will yellow after a few months. This will prevent the solar panel from making use of the solar power.
3. What if I live in a less sunny, and colder place, like New Hampshire? We have a patented electronic circuit that automat ically steps down the brightness output 20% in the event of prolonged cloudy weather, to preserve battery power.	**3. What if I live in a less sunny, and colder place, like New Hampshire?** The competition has no solution - cloudy weather means no light output.
4. Whose lights are brighter and stay lit longer? Our lights are 4-5 times brighter than the competition. Charge our panel for 8 hrs in full sun to get 16 hrs of steady light, or 30 hrs of flashing light.	**4. Whose lights are brighter and stay lit longer?** Competition has dimmer lights which get dimmer after an hour, or so. Takes over 20 hrs for the competitor's' unit to charge their batteries completely. Even fully charged, they won't stay on as long.
5. What about solar panel efficiency and battery capacity? We use 3x 1400 mAh 3.6V professional grade rechargea ble batteries. 4200mAh total. Battery temperature range is from zero F to 120F with 75% efficiency at either end of this range. Our solar panel is 1.3 peak watts.	**5. What about solar panel efficiency and battery capacity?** The Competition uses toy-quality 2x 2000mAh 2.4V batteries. Battery temperature range is from 32F-120F and will not work below freezing. (Some competitors use Ni-Cad batteries containing cadmium, an environmental poison banned in many countries). Their solar panel is only 0.4 peak watt (which means it will take 3 times longer to charge their batteries).
6. What if it rains? Our solar panel is fully gasketed and waterproof, the on/off switch is waterproof, the multi-function switch is waterproof, and the LEDs on the string light are waterproof.	**6. What if it rains?** The competition does not use a waterproof switch, the panel is not gasketed or waterproof, and the LEDs on the string are not waterproof. Rain will damage or destroy their product.
7. What about 200 LEDs, 77 ft. long String Lights? **What about 200 LEDs Net Lights?** Yes, our solar panel easily powers these as well.	**7. What about 200 LEDs, 77 ft. long String Lights?** **What about 200 LEDs Net Lights?** The competition's solar panel can barely light 100 LEDs; insufficient power for 200 LEDs.