

LED LIGHTS AND SOLAR POLES



Long Life CFL



CFL-Detachable Tube



CFL

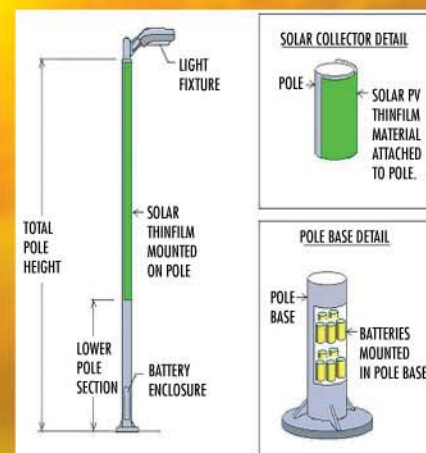


LED Lamp

| | Incandescent | CFL 1 | CFL 2 | Pharox LED lamp |
|---|--------------|--------|--------|-----------------|
| Energy use (watt) | 40 | 9 | 7 | 3.96 |
| Lifetime (years) | 0.68 | 4.11 | 4.11 | 34.25 |
| Mercury (mg) | 0 | 5 | 5 | 0 |
| Cost saving over lifetime (\$) | 0 | 242.50 | 242.50 | 285.00 |
| Total Lumens | 510 | 450 | 350 | 204 |
| Lumen depreciation after 4000 hours | Bulb dead | 20-30% | 20-30% | 1% |
| Dimmer compatibility | Yes | No | No | Yes |
| Product impact on reducing our carbon footprint | | | | |
| CO ₂ savings per year (kg) | 0 | 20.82 | 20.82 | 24.20 |

Ming outdoor street & area lighting

- Lowers every major cost
- Eliminates open-ended budget liabilities
- Can drive excess energy production back to the grid
- Improves public safety
- Built using high-volume technologies from proven sources
- Clean and sustainable
- No compromise on looks



RENEWABLE ENERGY Division

RESIDENTIAL SOLAR POWER SOLUTIONS



Specco carries a complete line of products for nearly every style of residential installation. Whether the homeowner's priority is function or beauty, or anywhere in between, we can satisfy their desires.

Solar energy can be applied in many ways, including to:

- Generate electricity using photovoltaic solar cells.
- Generate electricity using concentrated solar power.
- Generate electricity by heating trapped air which rotates turbines in a Solar updraft tower.
- Heat buildings, directly, through passive solar building design.
- Heat foodstuffs, through solar ovens.
- Solar air conditioning



TECHNOLOGIES SUCH AS:

- Sharp Solar Panels
- Uni-Solar PVL and framed Panels
- Evergreen Solar
- Open Energy Solar BIPV tiles
- Kaneka Amorphous Solar Panels
- Wind Turbines
- Solar Poles
- LED Lighting
- Water Pumps
- Controller

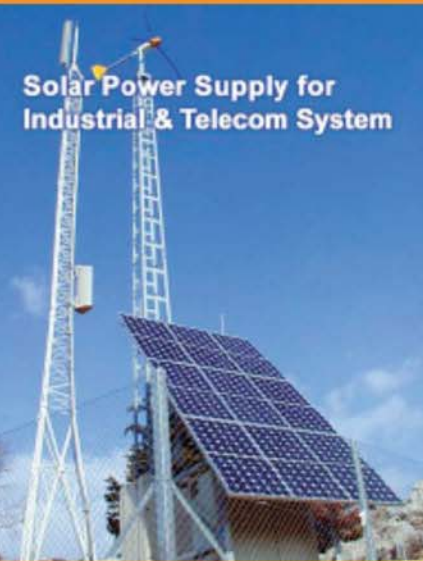
COMMERCIAL AND INDUSTRIAL POWER SOLUTIONS

For many businesses, solar energy provides a "win-win" solution that makes clear financial sense, hedges against future electricity rate hikes, and helps the business promote sustainability.

Specco carries products specifically designed for commercial applications both large and small, including all of the system controls and monitoring devices that keep the solar system running, allowing the business to stick to what it knows best.



Solar Power Supply for Industrial & Telecom System

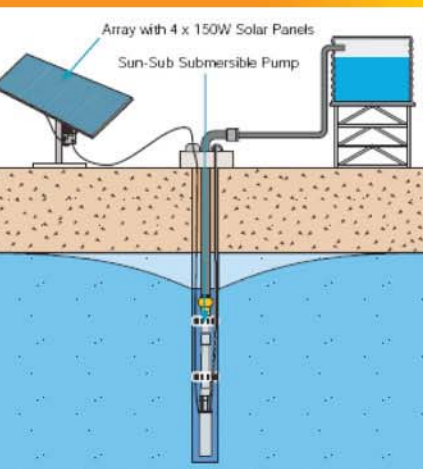


SOLAR WATER PUMPS

Renewable energy flows involve natural phenomena such as sunlight, wind, tides and geothermal heat.

Climate change concerns coupled with high oil prices, peak oil and increasing government support are driving increasing renewable energy legislation, incentives and commercialization.

INSTALLATIONS



WIND POWER

Airflows can be used to run wind turbines. Modern wind turbines range from around 600kW to up to 5MW of rated power, although turbines, with rated output of 1.5-3 MW, have become the most common for commercial use; the power output of a turbine is a function of the cube of the wind speed, so as wind speed increases, power output increases dramatically.



RENEWABLE ENERGY ACCESORIES

Specco inverter/chargers are the next generation in advanced power management. Each is a DC to AC sinewave inverter, battery charger and AC transfer switch housed within a tough die-cast aluminum chassis.

Just like the local utility grid, the inverter produces true sinewave AC electricity for your stand-alone or backup power needs. Computers, TVs and pumps are just some of the examples of modern electronics that last longer and run better when power with true sinewave electricity from an Specco inverter.



INVERTERS



BATTERY



TOWERS

