BP Solar Utility Vehicle (SUV)
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- This is a four wheel drive, battery-powered vehicle that operates with solar power.
Specifications

- 48 volt battery system (8, 6-volt batteries)
Specifications

- 185 watt PV solar panel
  - Manufactured by BP Solar
  - 65.3” x 32.8“ x 1.81”
  - weighs 37 pounds
  - maximum power is 24.4 volts
  - When vehicle is at rest, the energy from sunlight charges the batteries.
Specifications

- 30 horsepower (hp): dual 15.5 hp (11.6 kW) electric motors
  - Most electric golf carts have a range of 3 hp to 6 hp
Specifications

- 170 foot-pounds of torque
  - Most electric golf carts have 25 foot-pounds of torque
Specifications

- Can negotiate 40 degree incline
Specifications

- 880 pound load capacity (up to four people)
Specifications

- Can pull up to 1,500 pounds
Specifications

- 22 mph maximum speed
Why Solar Power?
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- Extends battery life
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- Panel reduces up to 30% battery charging costs