Hardware Data Sheet

The SolarSPELL digital library provides access to information and digital skill-building for the half of the world still offline.

SolarSPELL's new digital library hardware is now even easier to use.

**Patent-pending charge control technology** allows users to check how much battery life is left using a display on the case or our offline web interface.

The new case is both waterproof and shockproof, and it includes usage instructions on the back.
### Battery
- Capacity (mah): 8000
- Voltage (V): 3.7
- Draw (amps): 1
- Life cycle (charge cycles): 2000
- Cells: Four 18650 Style
- Battery material: lithium-ion

### Charging
- Fastest Solar Charge: 4 hours
- Fastest USB charge: 12 hours

### Charge controller
- PV Panel Input (v): 3-30
- PV Cells: High efficiency monocrystalline
- Waterproof: IP67
- UV: ETFE coating

### Complete System
- Weight: 2.8 lbs./1.27 kg
- Material (housing): +90% Recycled Plastics
- Size: 10x12x1.5 in/25x30x4 cm
- Life Span: 5 years

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**Empowering learners globally**

**USB Charging**

**SolarSPELL Charge Controller**

**RPi Microcomputer**

**Web interface via Wi-Fi**