

# S-Cell Solar Power

Eternity Technologies S-Cell Solar Power Products have been specifically designed to deliver high quality and high energy density into critical applications that require regular cycling combined with a high tolerance of temperature and grid reliability.

## Features

High energy density

Robust tubular positive electrode design

Engineered to deliver 2000 cycles at 60% DOD at 20°C

Fully recyclable with low CO<sub>2</sub> footprint

Low maintenance



Part of our Network Power range

## Applications

Local Telecoms

Emergency Lighting

Mini Grids

Power Generation devices

Wind/ Solar Generation

Residential Installations

Utilities



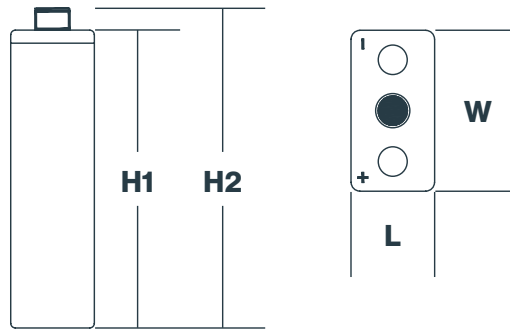


# S-Cell Solar Power

DIN Cell Type	C240	C120	C100	C20	C10	kWh (120hrs)	Length (mm)	Width (mm)	H1 (mm)	H2 (mm)	Weight (kg)
	1.85VPCat20°C/68°F			1.75VPCat27°C/80°F							
2 PZS - ET 220 SOLAR	227	220	213	168	148	0.44	198	65	406	433	12
3 PZS - ET 315 SOLAR	328	315	307	252	221	0.63	198	83	406	433	16
3 PZS - ET 405 SOLAR	421	405	387	307	276	0.81	198	83	480	507	19
4 PZS - ET 510 SOLAR	530	510	497	410	368	1.02	198	101	480	507	24
5 PZS - ET 650 SOLAR	676	650	632	512	460	1.30	198	119	480	507	27
4 PZS - ET 750 SOLAR	780	750	722	589	529	1.50	198	101	615	642	31
5 PZS - ET 900 SOLAR	936	900	880	736	661	1.80	198	119	615	642	38
6 PZS - ET 1100 SOLAR	1144	1100	1076	883	794	2.20	198	137	615	642	44
7 PZS - ET 1300 SOLAR	1352	1300	1288	1030	926	2.60	198	173	615	642	53
8 PZS - ET 1500 SOLAR	1560	1500	1481	1178	1058	3.00	198	191	615	642	57

**± 5% weight tolerance**  
**H1: Height over lid**  
**H2: Overall height**  
**M10 threaded terminal**  
**Torque: 23Nm**

Not to scale



## S-CELL SOLAR POWER

### Positive plate

High energy density tubular design with low antimony alloy for extended watering intervals

### Negative plate

Industry leading negative plate design

### Separator

Microporous polyethylene separator design delivers increased acid volumes

### Sealing washer

Thermoplastic elastomer (TPE) sealing washer utilised for leak free sealing of the terminal



### Base prism

Rigid polypropylene prism to collect dislodged active material preventing bottom edge shorts

### Gauntlet

Non-woven, high-capacity polyester gauntlet

### Electrolyte

Acid density of 1.26 kg/l ensures low self-discharge rates and long design life of the cell

### Terminal

Longer terminals increase the headspace of the cell resulting in greater acid volume and reduced watering intervals

# POWER FOR TOMORROW TODAY