

# EXIDE

TECHNOLOGIES

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[www.exide.com.au](http://www.exide.com.au)

# ENERGYSTORE®



# EXIDE

TECHNOLOGIES

# RAPS BATTERIES



When it comes to Remote Area Power Systems (RAPS), reliability is critical. Power loss in remote areas can be costly and inconvenient.

The vulnerable component in RAPS is often the battery. It does not need to be!

The Energystore® battery from Exide Technologies has a proven track record in Australian RAPS.

It has been performing in remote and harsh areas of Australia for over 10 years. That's because it is designed and assembled in Australia specifically for our unique conditions.

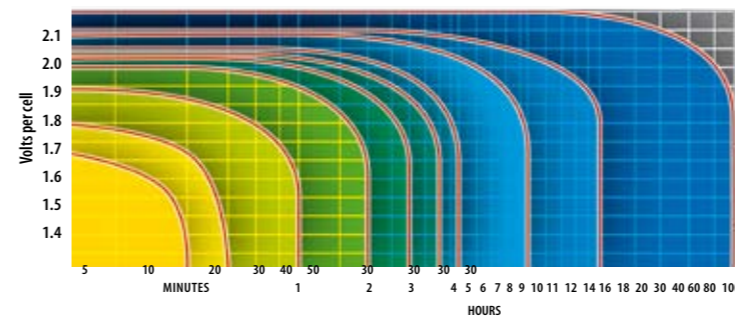
## Features

- Available in 4 volt and 6 volt batteries in trays with capacities up to 1800a/h @100hr rate
- Excellent cycle\* life:
  - 1500 cycles to 80% DOD
  - 2500 cycles to 50% DOD
  - 3300 cycles to 30% DOD
  - > 4500 cycles to 10% DOD
- Large electrolyte reservoir
- Electrolyte level indicator
- Robust tubular positive plates
- Non conducting polyethelene outer tray
- Easy to transport and assemble
- Long life and low maintenance
- Excellent prices
- Optional automated/manual single point watering system available at an extra cost
- Optional lid for protection from the elements at an extra cost
- Ideally suited for solar, wind, micro-hydro, diesel and hybrid applications

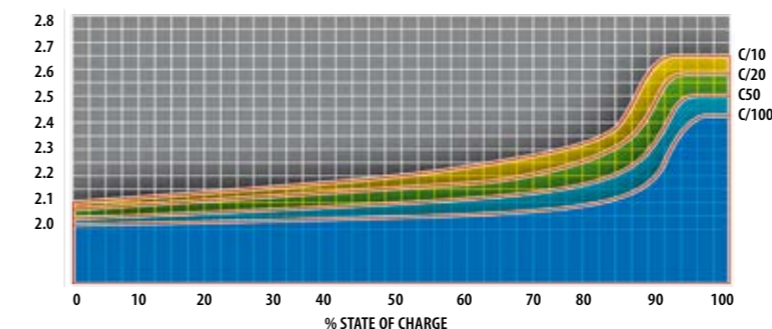


\* at 10 hour discharge

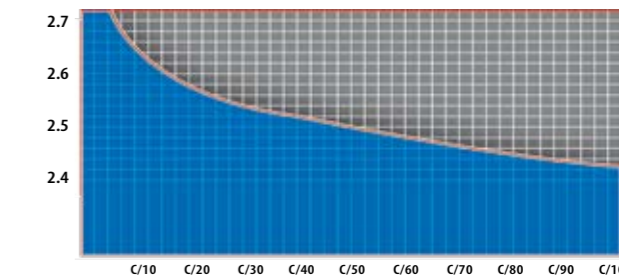
Curves Showing Voltage on Discharge of Energystore Range Batteries at Various Rates



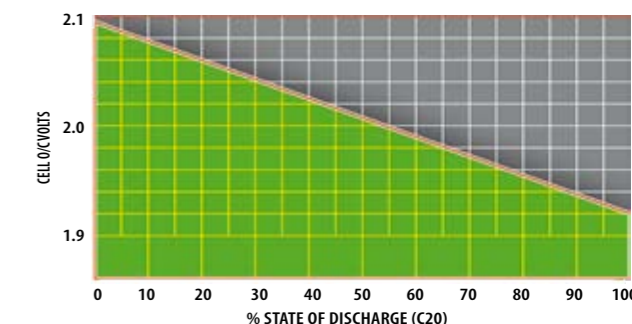
Recharge Voltage VS State of Charge Rates for Energystore



Fully Charged Voltage VS Charge Rate for Energystore



Open Circuit Voltage VS Discharge Depth for Energystore



## Electrical Specifications

Amp Hour Capacity at 25°C

TYPE	C <sub>120</sub> to 1.80Vpc	C <sub>100</sub> to 1.85Vpc	C <sub>20</sub> to 1.85Vpc	C <sub>10</sub> to 1.80Vpc	C <sub>5</sub> to 1.70Vpc	Voltage	Short Circuit Current Amps
6RP670	735	670	423	376	339	6	2880
6RP830	910	830	565	501	452	6	3840
6RP1080	1180	1080	772	685	618	6	5250
4RP1330	1460	1330	880	800	725	4	6620
4RP1600	1700	1600	1020	930	845	4	6620
4RP1800	1875	1800	1130	1028	935	4	6620

## Physical Specifications

Individual Tray Details

TYPE	Weight +/-5%	Length	Width	Height
6RP670	80kg	528mm	212mm	570mm
6RP830	110kg	528mm	212mm	570mm
6RP1080	143kg	528mm	260mm	570mm
4RP1330	100kg	370mm	308mm	670mm
4RP1600	120kg	370mm	308mm	670mm
4RP1800	140kg	370mm	308mm	670mm

## EXIDE ENERGYSTORE - 12V Flooded Blocks

### Electrical Specifications

### Individual Tray Details

### Physical Specifications

TYPE	Amp Hour Capacity at 25°C					Voltage	Short Circuit Current Amps
	C <sub>120</sub> to 1.80Vpc	C <sub>100</sub> to 1.85Vpc	C <sub>20</sub> to 1.85Vpc	C <sub>10</sub> to 1.80Vpc	C <sub>5</sub> to 1.70Vpc		
12RP140	140	135	110	100	95	12	900
12RP200	200	194	165	150	142	12	1200

TYPE	Weight Kgs +/- 5%	Individual Tray Details		
		Length (mm)	Width (mm)	Height (mm)
12RP140	45	510	180	270
12RP200	66	519	275	270



### Features

- Excellent cycle\* life
  - 1000 cycles to 80% DOD
  - 2300 cycles to 30% DOD
- Long life and Low maintenance

\*at the ten hr discharge

- 1600 cycles to 50% DOD
- 3000 cycles to 10% DOD

- Tubular Positive Plates
- Easy to transport and assemble
- Large electrolyte reservoir
- Electrolyte level indicator- optional

*designed and manufactured in Australia specifically for our unique conditions*