

EXIDE Energystore[®]

RAPS Batteries



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TECHNOLOGIES

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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 doesn't 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 manufactured 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 extra cost
- Optional lid for protection from the elements at extra cost
- Optional maintenance kit available at extra cost
- Ideally suited for solar, wind, micro-hydro, diesel and hybrid applications

Electrical Specifications

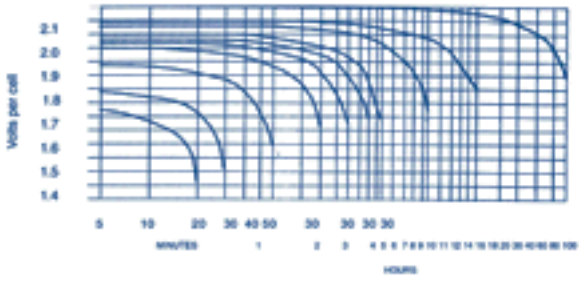
Amp Hour Capacity at 25°C							
Type	C ₁₂₀ to 1.80Vpc	C ₁₀₀ to 1.85Vpc	C ₂₀ to 1.85Vpc	C ₁₀ to 1.80Vpc	C ₅ to 1.70Vpc	Voltage	Short Circuit Current Amps
6RP670	735	670	423	376	339	6	2880
6RP830	910	830	565	501	452	6	3840
6RP1080	1180	1080	772	685	618	6	5250
4RP1330	1460	1330	950	840	760	4	6620
4RP1600	1700	1600	1100	960	850	4	6620
4RP1800	1875	1800	1213	1059	937	4	6620

Physical Specifications

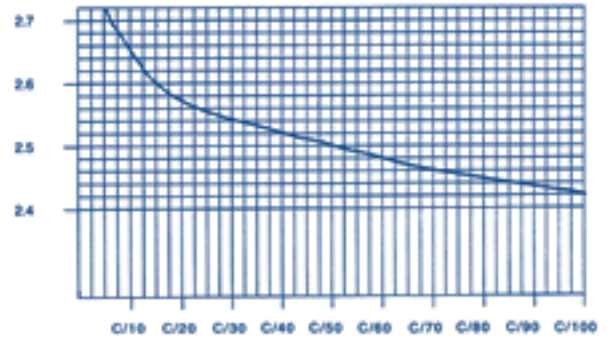
Individual Tray Details				
Type	Weight +/- 5%	Length	Width	Height
6RP670	80kg	528mm	212mm	570mm
6RP830	110kg	528mm	212mm	570mm
6RP1080	143kg	528mm	260mm	570mm
4RP1330	120kg	370mm	308mm	630mm
4RP1600	140kg	370mm	308mm	630mm
4RP1800	160kg	370mm	308mm	630mm

* at 10 hour discharge

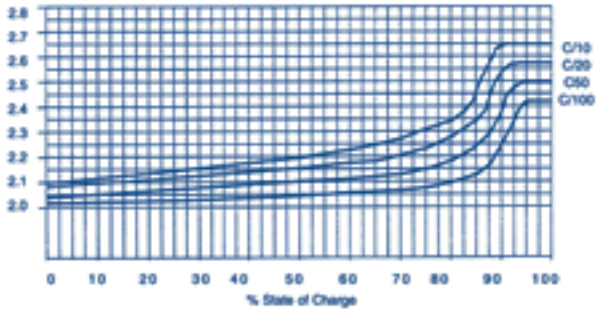
Curves Showing Voltage On Discharge of Energystore Range Batteries At Various Rates



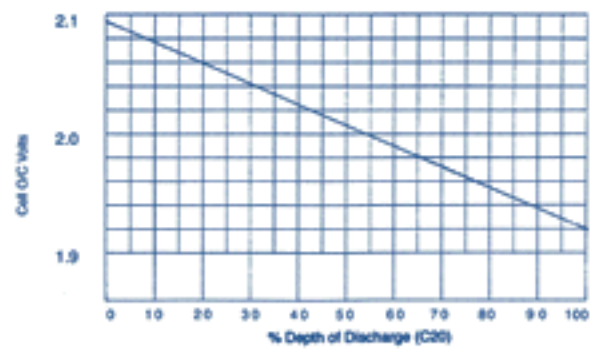
Fully charged voltage VS Charge Rate For Energystore



Recharge Voltage VS State Of Charge For Various Charge Rates For Energystore



Open Circuit Voltage VS Discharge Depth for Energystore



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