



**UPS High Rate**

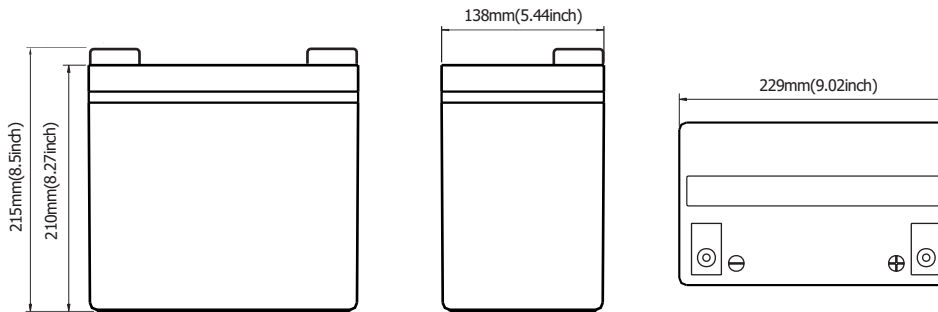
Reserve Power HRS UPS high rate batteries have been engineered specifically for UPS applications where mission critical performance is mandatory. Enhanced impact resistant, flame retardant case and a longer life design than competitive batteries has set a new standard in sealed maintenance-free batteries for critical UPS applications.

**Application**

- UPS Systems
- Telecommunications
- High Rate Applications

**General Features**

- Top Terminal Design
- AGM Sealed Maintenance Free Design
- Non-Spillable Construction
- Patented O-Ring and Epoxy Resin Post Seal
- UL 1778, 1989, 954, and DOT CFR 171-189 approved
- U194V-O ABS Flame Retardant Case
- Thermally Welded Case To Cover Bond
- Exceptional Deep Discharge and Fast Recovery Capability
- Low Pressure One-way Release Valve with Flame Arrestors
- Exceptional Cycle Life Capacity



Battery Model	HRS12-170FR				
Designed Floating Life	10 Years				
Capacity(25°C/77°F)	170 watts per cell at the 15 minute rate to 1.67 volts per cell				
	55AH @ 20 hour rate to 1.75 volts per cell				
Dimensions	Length	Width	Height	Total Height	Approx. Weight
	229mm(9.02inch)	138mm(5.44inch)	210mm(8.27inch)	215mm(8.5inch)	18KG (40lbs)
Internal Resistance	Full charged at 25°C: 0.0058 Ohm				
Self Discharge	3% of capacity per month at (25°C)				
Charge Voltage(25°C)	Cycle use			Float use	
	14.4-15V(-30mV/ °C), max. Current: 13A			13.6-13.8V(-20mV/ °C)	
Terminal	6mm			Torque 6NM/53in/lbs	

**Constant Power Discharge Ratings Watts/Cell at 25°C/77°F (in minutes)**

End Cell Volts	5	10	15	20	30	40	45	50	60	90
1.75	240	189	157	134	101	83	76	71	62	45
1.70	255	198	161	138	104	85	78	73	64	47
1.67	270	206	170	141	106	87	80	74	65	47
1.65	281	213	172	145	108	88	81	75	66	48
1.60	290	220	176	147	110	90	83	77	68	49

**Constant Current Discharge Ratings Amperes at 25°C/77°F (in hours)**

End Cell Volts	0.25	0.50	0.75	1	2	3	4	8	12	24
1.85	72	47	35	28	17	12	9	5	3	2
1.80	75	50	37	30	18	13	10	6	4	2
1.75	82	52	39	31	18	13	10	6	4	2