



UPS High Rate

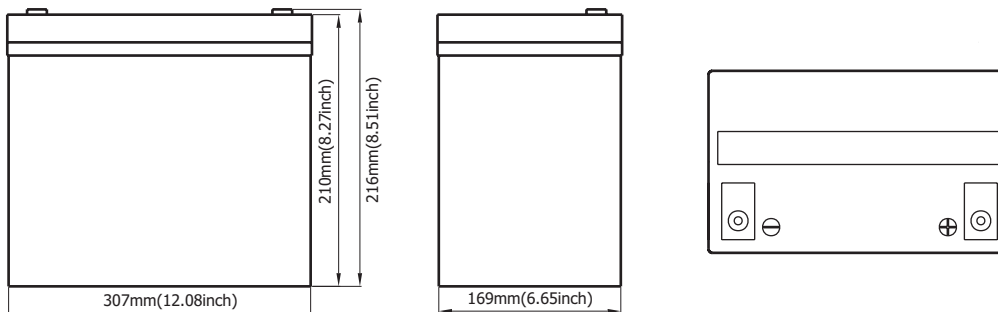
Reserve Power HRS UPS high rate batteries have been engineered specifically for UPS applications where mission critical performance is mandatory. Enhanced impact resistant, flame retardant case and a longer life design than competitive batteries has set a new standard in sealed maintenance-free batteries 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	HRS12-310FR				
Designed Floating Life	10 Years				
Capacity(25°C/77°F)	310 watts per cell at the 15 minute rate to 1.67 volts per cell				
	88AH @ 20 hour rate to 1.75 volts per cell				
Dimensions	Length	Width	Height	Total Height	Approx. Weight
	307mm(12.08inch)	169mm(6.65inch)	210mm(8.27inch)	216mm(8.51inch)	32KG (70.53lbs)
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	556	395	313	261	194	154	140	128	111	80
1.70	592	404	321	266	198	158	145	133	115	84
1.67	601	420	329	272	202	162	147	135	118	87
1.65	616	425	332	273	204	164	150	138	120	89
1.60	633	434	336	277	207	166	152	139	121	90

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	132	84	61	48	28	20	15	9	6	3
1.80	145	90	65	52	30	21	16	9	6	3
1.75	163	100	72	56	32	22	17	10	7	3

