



UPS High Rate

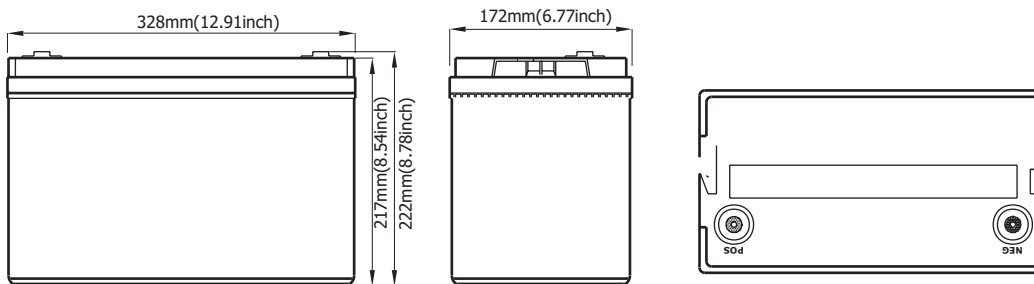
Reserve Power HRS UPS high rate batteries have been engineered specifically for UPS applications where mission critical performance is mandatory. Enhanced impact resistant, flame retardant case and a longer life design than competitive batteries has set a new standard in sealed maintenance-free batteries 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	HRS12-370FR				
Designed Floating Life	10 Years				
Capacity(25°C/77°F)	370 watts per cell at the 15 minute rate to 1.67 volts per cell				
	100AH @ 20 hour rate to 1.75 volts per cell				
Dimensions	Length	Width	Height	Total Height	Approx. Weight
	328mm(12.91inch)	172mm(6.77inch)	217mm(8.54inch)	222mm(8.78inch)	32KG (70.6lbs)
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	645	474	370	303	227	179	162	148	127	89
1.70	688	495	385	311	232	184	166	152	129	92
1.67	706	504	390	315	236	187	169	155	133	96
1.65	720	509	394	320	238	189	172	158	135	99
1.60	739	518	399	324	241	191	174	160	137	101

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	154	98	71	55	31	22	18	10	7	4
1.80	174	106	76	59	33	23	18	10	7	4
1.75	193	117	83	64	35	24	19	11	8	4

