



### UPS High Rate

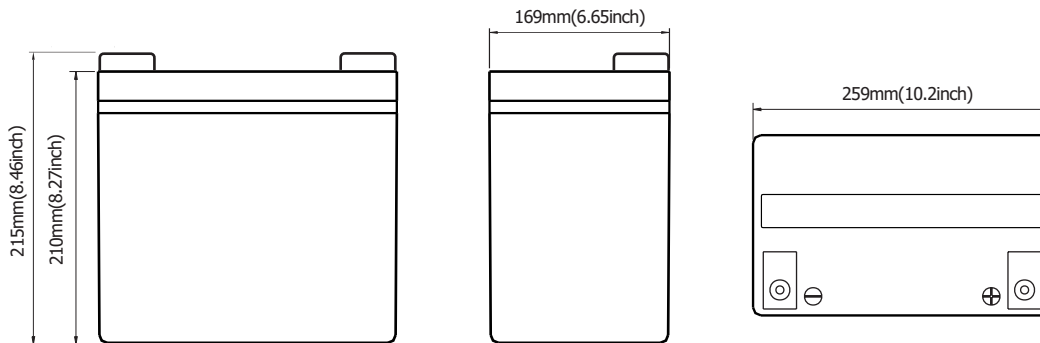
Reserve Power HRS UPS high rate batteries have been engineered specifically for UPS applications where mission critical performance is mandatory. Enhanced impact resistant, flame retardant case and a longer life design than competitive batteries has set a new standard in sealed maintenance-free batteries 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	HRS12-270FR				
Designed Floating Life	10 Years				
Capacity(25°C/77°F)	270 watts per cell at the 15 minute rate to 1.67 volts per cell				
	75AH @ 20 hour rate to 1.75 volts per cell				
Dimensions	Length	Width	Height	Total Height	Approx. Weight
	259mm(10.2inch)	169mm(6.65inch)	210mm(8.27inch)	215mm(8.46inch)	24.5KG (54.8lbs)
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	484	342	270	225	171	137	125	115	98	71
1.70	512	356	279	230	174	139	127	117	101	74
1.67	524	361	282	233	176	141	129	119	104	76
1.65	531	364	284	234	177	142	131	121	105	77
1.60	539	370	287	237	178	143	132	122	106	79

### 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	116	75	55	44	26	19	14	8	5	3
1.80	128	81	59	46	27	19	15	8	6	3
1.75	141	88	64	50	28	20	16	9	6	3

