



UPS High Rate

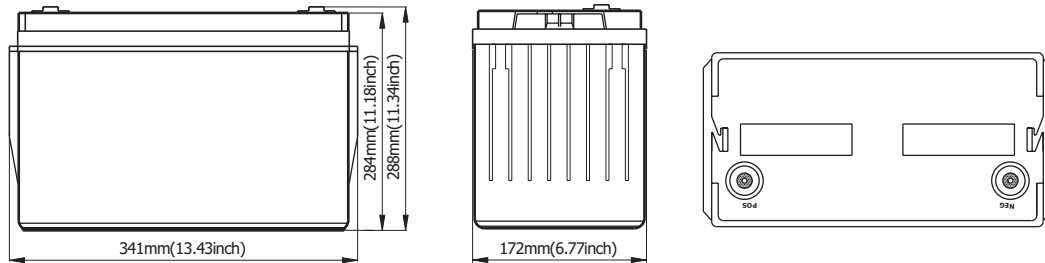
Reserve Power HRS UPS high rate batteries have been engineered specifically for UPS applications where mission critical performance is mandatory. Enhanced impact resistant, flame retardant case and a longer life design than competitive batteries has set a new standard in sealed maintenance-free batteries 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	HRS12-540FR				
Designed Floating Life	10 Years				
Capacity(25°C/77°F)	540 watts per cell at the 15 minute rate to 1.67 volts per cell				
	150AH @ 20 hour rate to 1.75 volts per cell				
Dimensions	Length	Width	Height	Total Height	Approx. Weight
	341mm(13.43inch)	172mm(6.77inch)	284mm(11.18inch)	288mm(11.34inch)	50KG (111lbs)
Internal Resistance	Full charged at 25°C: 0.0035 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: 8.25A			13.6-13.8V(-20mV/ °C)	
Terminal	8mm			Torque 8NM/72in/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	721	564	472	405	320	261	239	220	190	136
1.70	822	625	512	432	334	270	247	226	193	138
1.67	871	654	537	450	344	277	252	230	198	139
1.65	901	679	554	459	350	282	256	234	200	141
1.60	951	696	564	465	354	284	258	237	202	143

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	195	138	108	75	49	36	28	16	11	6
1.80	219	149	117	85	53	38	29	17	11	6
1.75	235	160	123	90	56	40	30	17	11	6

