



UPS High Rate

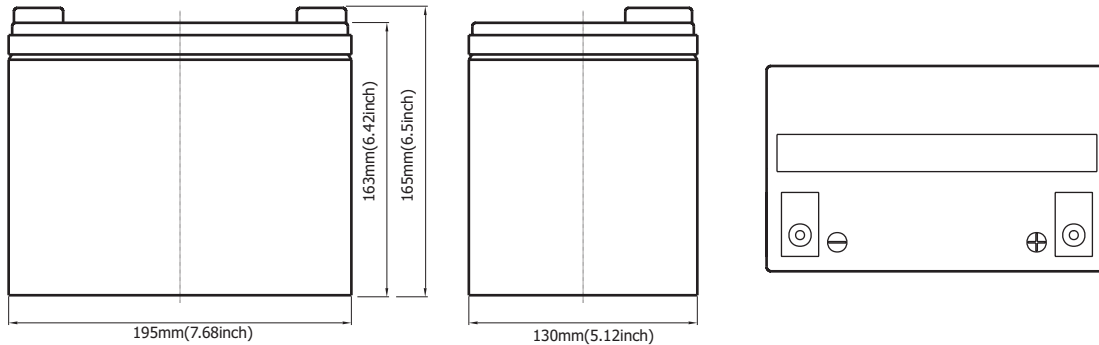
Reserve Power HRS UPS high rate batteries have been engineered specifically for UPS applications where mission critical performance is mandatory. Enhanced impact resistant, flame retardant case and a longer life design than competitive batteries has set a new standard in sealed maintenance-free batteries 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	HRS12-140FR				
Designed Floating Life	10 Years				
Capacity(25°C/77°F)	137 watts per cell at the 15 minute rate to 1.67 volts per cell				
	33AH @ 20 hour rate to 1.75 volts per cell				
Dimensions	Length	Width	Height	Total Height	Approx. Weight
	195mm(7.68inch)	130mm(5.12inch)	163mm(6.42inch)	165mm(6.5inch)	10.2KG (22.7lbs)
Internal Resistance	Full charged at 25°C: 0.009 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	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	273	172	133	110	82	67	61	56	48	33
1.70	281	175	135	112	83	67	62	57	49	34
1.67	284	177	137	113	84	68	62	57	49	34
1.65	288	179	139	114	85	68	63	57	49	34
1.60	290	181	140	116	86	62	63	58	46	34

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	59	37	27	22	12	8	6	3	2	1
1.80	66	41	30	23	13	9	6	3	2	1
1.75	70	42	31	24	13	9	7	4	2	1

