



### UPS High Rate

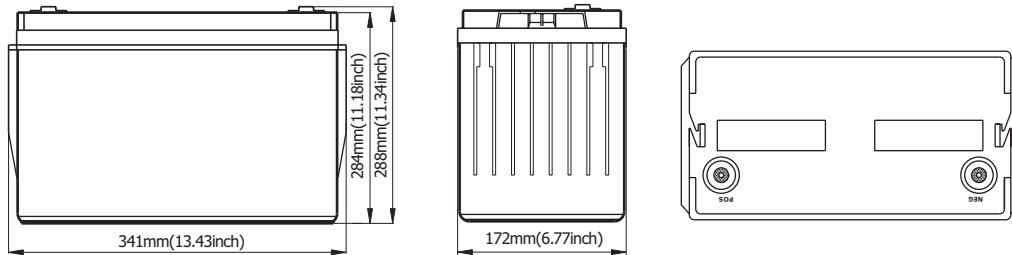
Reserve Power HRS UPS high rate batteries have been engineered specifically for UPS applications where mission critical performance is mandatory. Enhanced impact resistant, flame retardant case and a longer life design than competitive batteries has set a new standard in sealed maintenance-free batteries 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	HRS12-475FR				
Designed Floating Life	10 Years				
Capacity(25°C/77°F)	475 watts per cell at the 15 minute rate to 1.67 volts per cell				
	135AH @ 20 hour rate to 1.75 volts per cell				
Dimensions	Length	Width	Height	Total Height	Approx. Weight
	341mm(13.43inch)	172mm(6.77inch)	284mm(11.8inch)	288mm(11.34inch)	41.5KG (92.2lbs)
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	685	515	437	366	283	216	217	201	173	123
1.70	725	542	451	379	293	221	222	205	178	125
1.67	750	577	475	393	302	227	228	210	182	129
1.65	770	588	482	402	311	233	234	215	185	131
1.60	785	606	488	410	316	238	239	220	188	136

### 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	185	128	99	79	44	32	25	14	10	5
1.80	205	136	103	82	47	35	26	15	10	5
1.75	228	146	11	88	49	36	27	16	11	5



ISO9001:2000 Certificate



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MH28539



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