

ELX HR 7-12 / 12V 7Ah

HR series - VRLA battery



High Rate Series Battery

ELX HR (High Rate) Series VRLA batteries are designed with low internal resistance AGM (Absorbent Glass Mat) technology, High performance plates and electrolyte to give extra power output for High rate UPS and power backup system. High rate series Batteries are the special design batteries with 5 years floating design life at 25°C Meet with IEC, BS,JIS and Eurobat standard.

Application

- * Emergency Power System
- * Communication equipment
- * Telecommunication systems
- * Uninterruptible power supplies
- * Power tools
- * Alarm system
- * Security system
- * Fire and Security System. etc.



General Features

- * Safety Sealing
- * Non-spillable construction
- * High Reliability and Stability
- * Sealed and Maintenance-free

Construction

- * Positive Lead dioxide
- * Electrolyte Sulfuric acid
- * Negative Lead
- * Safety Valve EPDR

- * Long Life and low self-discharge design
- * 30% increased power output at 15M backup time.

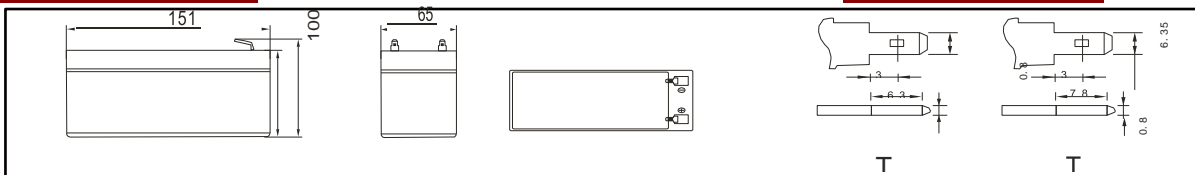
- * Separator Fiber glass
- * Terminal Copper
- * Container ABS(UL94-HB), Flammability Resistance of UL94-V0 can be available upon request

Specification

Battery Model	Nominal Voltage		12V	
	Cells Per Battery		6	
	Capacity (15 minutes rate to 1.67V/Cell)		26W	
	Rated capacity (20 Hour rate)		7Ah	
Dimensions	Length	Width	Height	Total Height
	151mm (5.94 inches)	65mm (2.56 inches)	94mm (3.7 inches)	100mm (3.94 inches)
Approx Weight	2.00kg (4.41lbs) ± 4%			
Capacity @ 25°C (77°F)	30 Min rate (10.2V)		15 Min rate (10.02V)	5 Min rate (9.6V)
	15.216W		26.00W	50.49W
Max. discharge current	90A (5 Sec.)			
Internal Resistance	Full charged at 25°C: Approx 28mΩ			
Capacity affected by Temp.(20 HR)	40°C (104°F)	25°C (77°F)	0°C (32°F)	-15°C (5°F)
	102%	100%	85%	65%
Self Discharge @25°C (77°F)	After 3 months storage		After 6 months storage	After 12 months storage
	91%		82%	64%
Charge method @25°C (77°F)	Cycle Use		Float Use	
	14.1-14.4V (Initial charging current less than 2.1A)		13.50-13.80V	

Outer dimension (mm)

Terminal Type (mm)



Constant Power(Watt) Discharge at 25°C (77°F)

Constant Current (Amp) Discharge at 25°C (77°F)

F.V/time	5MIN	10MIN	15MIN	30MIN	60MIN	90MIN	F.V/time	5MIN	10MIN	15MIN	30MIN	60MIN	90MIN
1.60V	50.493	35.838	27.406	15.677	9.396	6.883	1.60V	27.300	18.774	14.200	7.870	4.710	3.447
1.67V	44.819	33.441	26.003	15.350	9.329	6.817	1.67V	24.236	17.519	13.462	7.702	4.676	3.413
1.70V	42.436	32.265	25.381	15.216	9.272	6.812	1.70V	22.943	16.892	13.130	7.635	4.642	3.410
1.75V	38.408	30.369	24.337	14.959	9.158	6.731	1.75V	20.764	15.897	12.577	7.500	4.573	3.365
1.80V	34.324	28.336	23.374	14.630	9.101	6.699	1.80V	18.552	14.827	12.061	7.332	4.539	3.341
1.85V	30.239	26.304	22.182	14.238	8.978	6.641	1.85V	16.339	13.757	11.434	7.130	4.471	3.304

