

VALVE REGULATED RECHARGEABLE BATTERY

State-of-the-art technology

HR Series:

SUMMARY:

HR Series designed for high current discharge use, with super compact and higher energy density design, HLR series battery has lower internal resistance, can output more power than traditional VRLA battery.

FEATURES:

- Sealed & Maintenance-free
- Safety Valve for Explosion-proof
- Wide operation temperature
- Optimized Energy Density
- Excellent high current discharge performance
- Lower internal resistance

CONSTRUCTION:

- Plates: Pasted Plates(Optimized Pb/Ca/Sn alloy)
- Separator: Microporous AGM
- Container: ABS
- Electrolyte: Diluted Sulphuric Acid
- Safety Valve: Rubber(EPDR), one way pressure release

ELECTRICAL PARAMETERS:

- Float charge voltage(25 °C): 2.27~2.30V
- Boost charge voltage(25 °C): 2.43~2.47V
- Temperature compensation: -3mV/°C/cell(float), -4mV/°C/cell(cyclic)
- Max. charging current: 0.3CA

CONFORM TO

- BS6290-4
- IEC60896-21/22
- IEC61427
- IEC60156

APPLICATION:

- Off-grid Solar/Wind System
- Uninterruptable Power Supply(UPS)
- Electric Power System (EPS)
- Emergency backup power supply
- Emergency lighting
- Data Center
- Oil and Gas
- Cable Television
- Medical Equipment
- Railway signal
- Aircraft signal
- Alarm and Security System
- Electronic equipment
- Communication Power Supply
- Auto control system



Capacity Range:4.5-240Ah

General Specifications

Model	Voltage	Capacity	Dimension(mm)				Terminal	Weight
	(V)	(AH)	Length	Width	Height	Total Height		±4%(Kg)
HR6-16W	6	4.5	70	47	101	107	T1/T2	0.72
HR6-18W	6	5	70	47	101	107	T1/T2	0.75
HR6-20W	6	5.3	70	47	101	107	T1/T2	0.8
HR6-22W	6	5	70	47	101	107	T1/T2	0.8
HR6-28W	6	7.5	151	34	94	100	T2	1.2
HR6-32W	6	8	151	34	94	100	T2	1.3
HR6-36W	6	8	151	34	94	100	T2	1.35
HR12-16W	12	4.5	90	70	101	107	T1/T2	1.4
HR12-18W	12	5	90	70	101	107	T1/T2	1.6
HR12-20W	12	5.3	90	70	101	107	T1/T2	1.7
HR12-20WL	12	5.8	151.5	50	95	101	T1/T2	1.85
HR12-22W	12	5	90	70	101	107	T1/T2	1.65
HR12-28W	12	7.5	151	65	93.5	100	T2	2.2
HR12-32W	12	8	151	65	93.5	100	T2	2.38
HR12-36W	12	9	151	65	93.5	100	T2	2.6
HR12-38W	12	9	151	65	93.5	100	T2	2.55
HR12-48WB	12	12	151	98	95	101	T2	3.5
HR12-48W	12	14	151	98	95	101	T2	4.2
HR12-60W	12	17	181	77	167	167	T3/T13	4.65
HR12-70W	12	18	181	77	167	167	T3/T13	5.6
HR12-80W	12	22	181	77	167	167	T3/T13	6.2
HR12-88W	12	22	181	77	167	167	T18	6.5
HR12-96W	12	26	166	175	125	125	T13	8.1
HR12-104W	12	28	166	175	125	125	T13	8.6
HR12-125W	12	33	195	130	159	180	T11	10.2
HR12-150W	12	40	198	166	171	171	T11	13
HR12-200W	12	55	229	138	210	235	T11	18
HR12-240W	12	65	350	167	180	183	T11	21
HR12-280W	12	75	260	169	210	235	T11	24.8
HR12-340W	12	90	306.5	168.5	210	235	T12	29
HR12-380W	12	100	328	172	222	222	T12	32
HR12-450W	12	120	407	177	225	225	T12	36.5
HR12-520W	12	145	340	173	280	285	T5/T12	44
HR12-570W	12	150	483	170	240	240	T12	46
HR12-650W	12	200	522	240	219	240	T10	62.5
HR12-690W	12	225	522	240	219	240	T10	65
HR12-780W	12	240	522	240	219	240	T10	74.5