

stored energy solutions for a demanding world

Narada

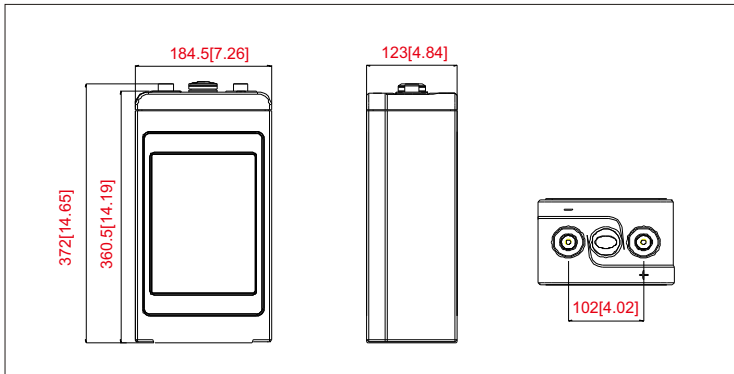
Model: **HRL850**

HRL Series

HRL series, name of High Rate Long life, is high rate VRLA battery. It is special designed for large data centers and UPS. With excellent high-power discharge performance, high reliability, 15 years long life design, wide operating temperature range, HRL series is ideal for high performance UPS batteries.



Dimensions—mm [inch]



Specifications

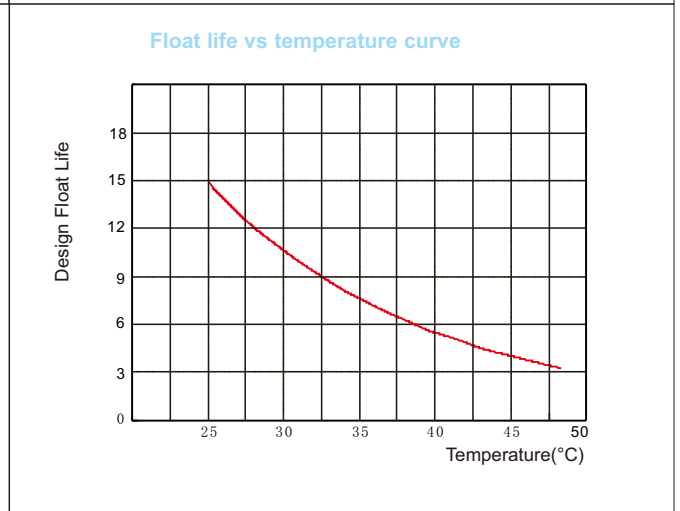
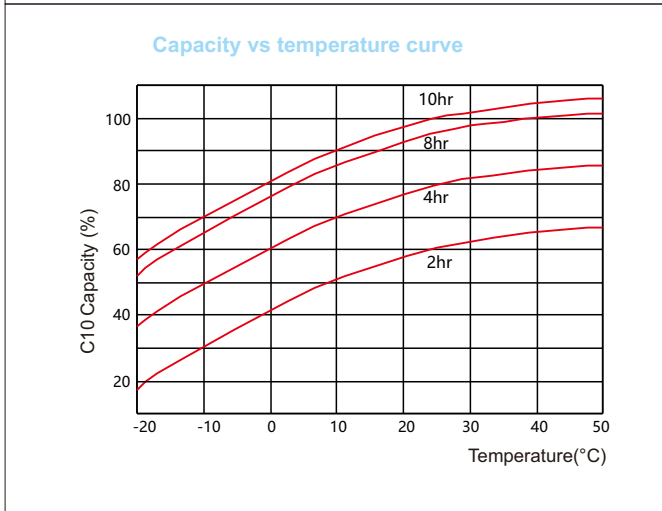
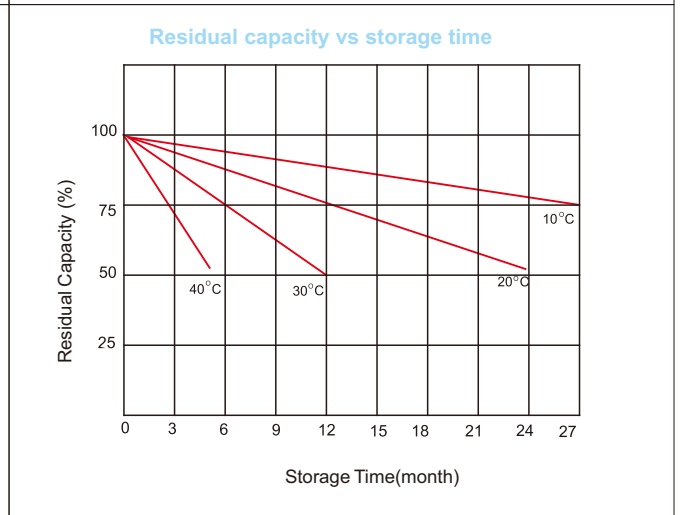
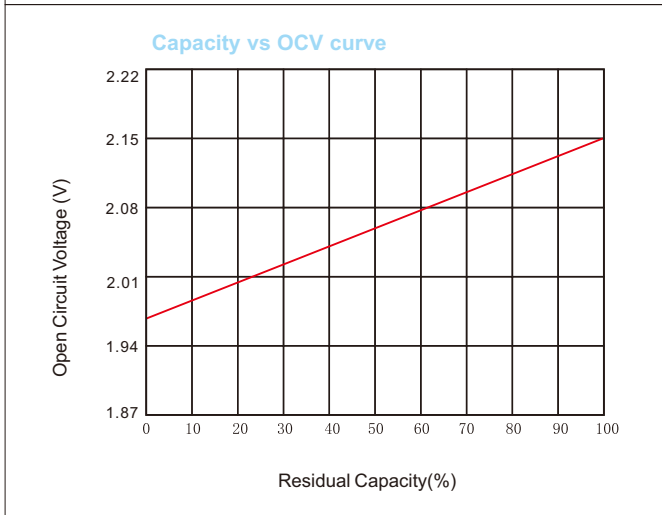
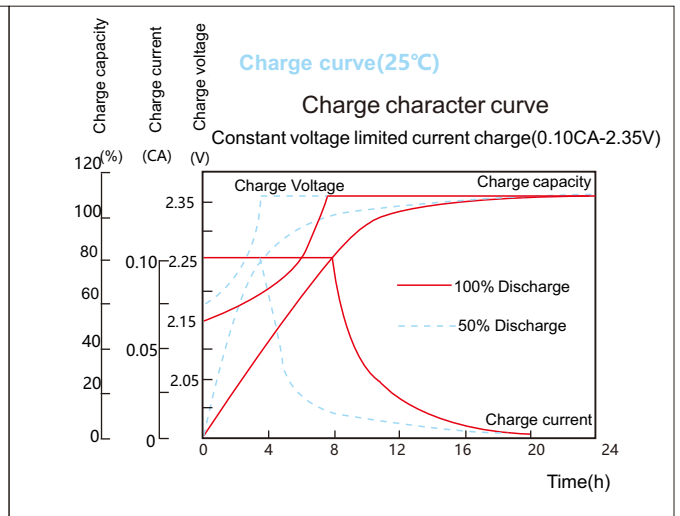
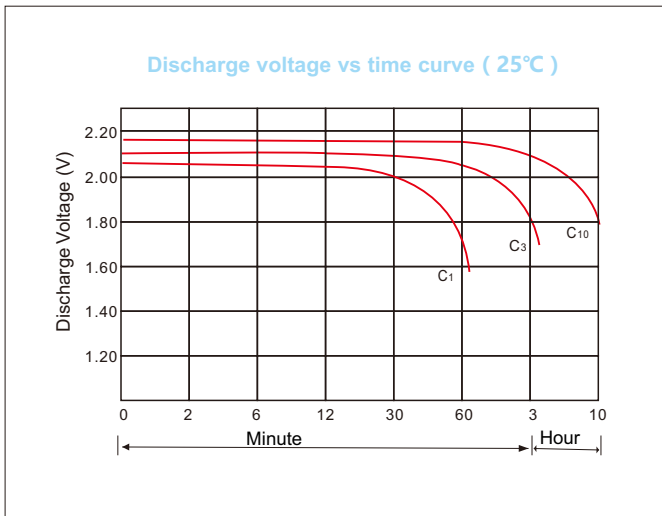
Battery Model	HRL850
Nominal Voltage	2V
Rated Capacity	900 W/cell(15 minute rate, 1.67 V/cell) and 330Ah(10 hr to 1.80V/cell) @25°C(77°F)
Typical Weight	19.0kg
Internal Resistance	Approx 0.40mΩ
Temperature Ranges	Operation (maximum): -20°C to 50°C(-4°F to 122°F)
	Operation (recommended): 15°C to 25°C(59°F to 77°F)
	Storage: -20°C to 40°C(-4°F to 104°F)
Float Voltage	2.25V/cell@25°C(77°F)
Recommended Maximum Charging Current Limit	82.5A
Equalize and Cycle Service	2.35V@25°C(77°F)
Self Discharge	The residual capacity is above 90% after 90 days storage(25°C/77°F)
Terminal	M8 Female
Terminal Hardware Torque	12~15 N.m
Container Material	ABS (V0 Optional)

Discharge Data with Constant Current Units: Amperes (25°C, 77°F)

End voltage per cell	5min	10min	15min	20min	30min	40min	45min	50min	1h	2h	3h	5h	8h	10h
1.60V	750	610	—	—	—	—	—	—	—	—	—	—	—	—
1.65V	720	580	450	390	300	240	220	205	190	122	88	61	42	37
1.67V	680	540	440	370	280	230	210	200	187	120	87	60	41	36
1.70V	640	520	420	340	270	220	205	195	185	119	86	58	40	35
1.75V	600	450	410	320	260	210	200	185	182	116	84	54	38	34
1.80V	520	430	380	305	240	200	190	180	180	112	83	52	37	33

Discharge Data with Constant Power Units: Watts per cell (25°C, 77°F)

End voltage per cell	5min	10min	15min	20min	30min	40min	45min	50min	1h	2h	3h	5h	10h
1.60V	1200	1000	—	—	—	—	—	—	—	—	—	—	—
1.65V	1150	950	880	720	540	480	460	405	375	265	195	140	85
1.67V	1130	900	850	700	530	470	450	395	370	255	190	135	80
1.70V	1100	860	760	680	520	460	440	390	360	245	185	130	75
1.75V	990	800	720	640	505	450	405	380	350	235	180	125	72
1.80V	960	750	700	610	490	420	380	370	340	220	175	120	70



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