

stored energy solutions for a demanding world

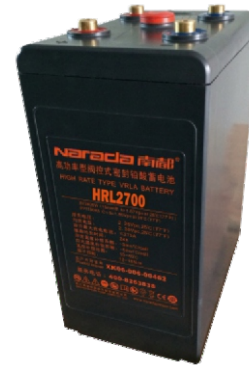
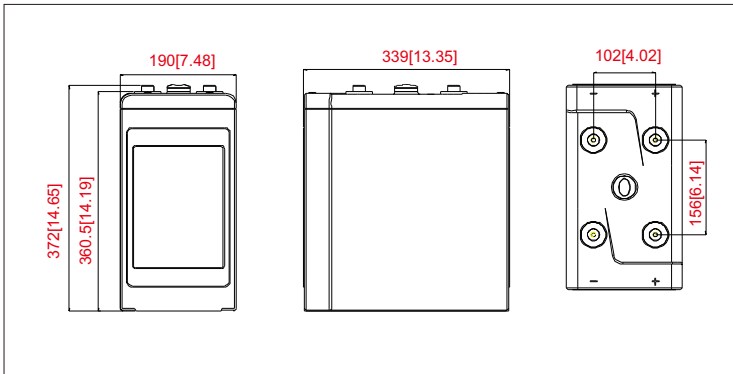
**Narada**

Model: **HRL2700**

**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**

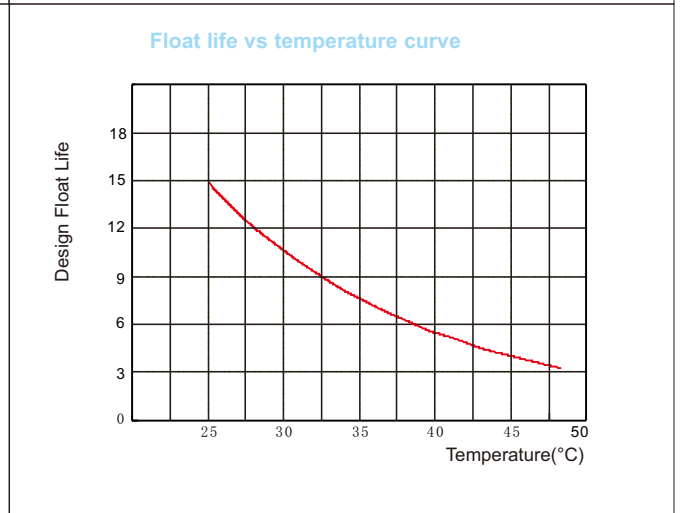
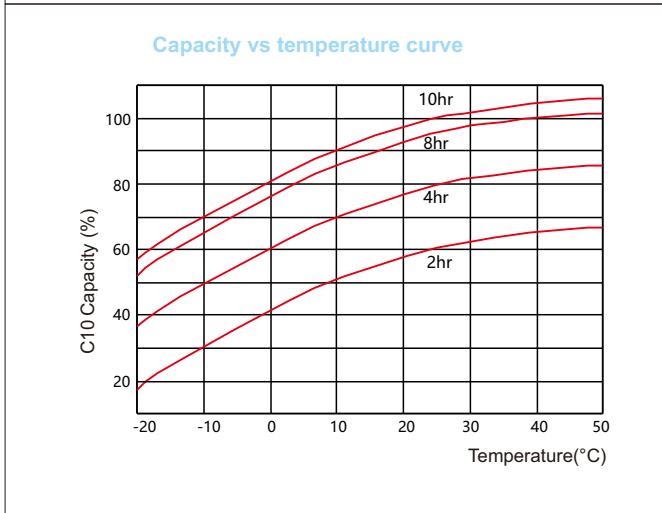
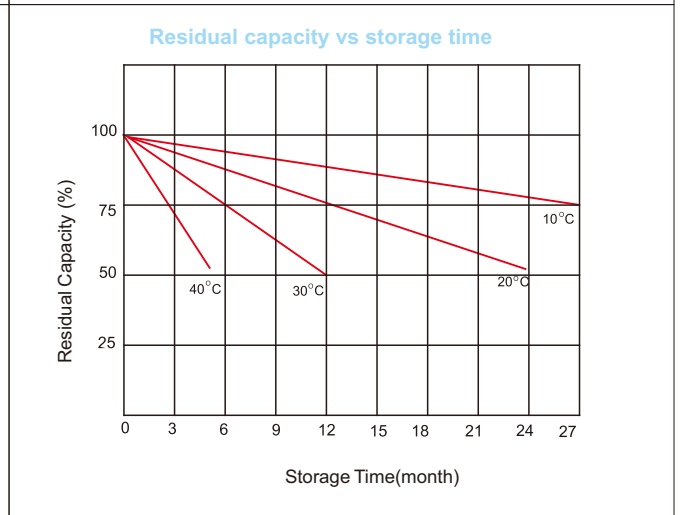
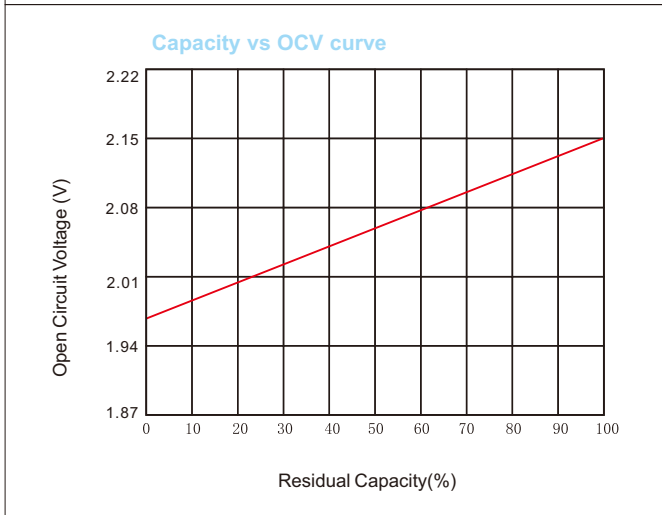
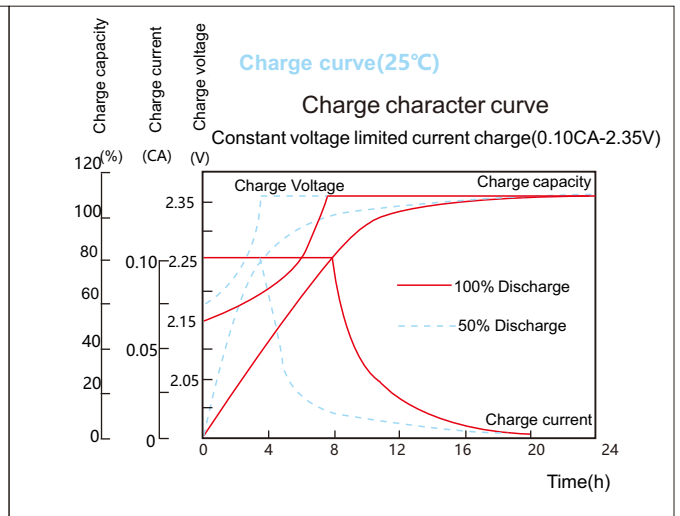
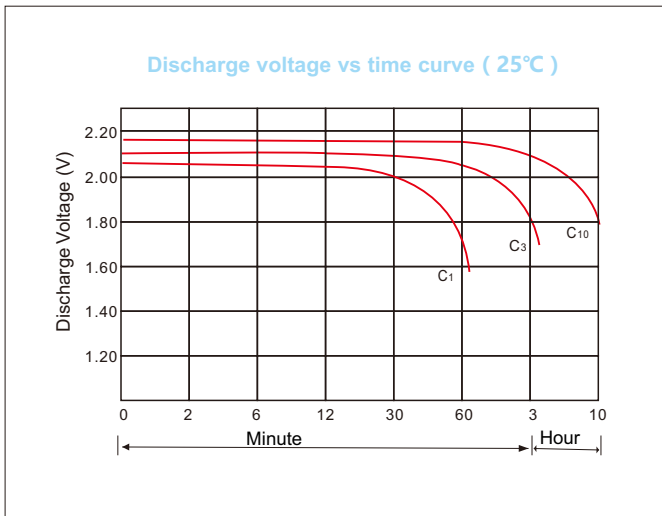
Battery Model	HRL2700
Nominal Voltage	2V
Rated Capacity	2700 W/cell(15 minute rate, 1.67 V/cell) and 1100Ah(10 hr to 1.80V/cell) @25°C(77°F)
Typical Weight	57.0kg
Internal Resistance	Approx 0.15mΩ
Temperature Ranges	Operation (maximum): -20°C to 50°C(-4°F to 122°F)
	Operation (recommended): 15°C to 25°C(59°F 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	275A
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	2370	1800	—	—	—	—	—	—	—	—	—	—	—	—
1.65V	2100	1770	1500	1300	1100	900	865	780	643	385	282	198	138	115
1.67V	2000	1700	1450	1270	1080	880	850	750	640	383	281	195	136	114
1.70V	1940	1680	1400	1240	980	875	830	735	638	380	280	190	135	113
1.75V	1740	1620	1310	1220	940	865	800	690	633	375	278	188	133	112
1.80V	1680	1540	1250	1100	900	780	730	660	625	370	275	185	130	110

**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	3400	3000	—	—	—	—	—	—	—	—	—	—	—
1.65V	3350	2950	2750	2400	1900	1700	1500	1420	1260	860	650	470	265
1.67V	3300	2900	2700	2350	1850	1620	1450	1400	1250	840	640	460	260
1.70V	3250	2850	2600	2250	1800	1550	1420	1380	1230	800	630	450	255
1.75V	2900	2600	2400	2000	1750	1420	1380	1320	1190	760	605	430	245
1.80V	2750	2400	2100	1900	1600	1380	1260	1200	1140	720	585	410	235



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