

stored energy solutions for a demanding world

Narada

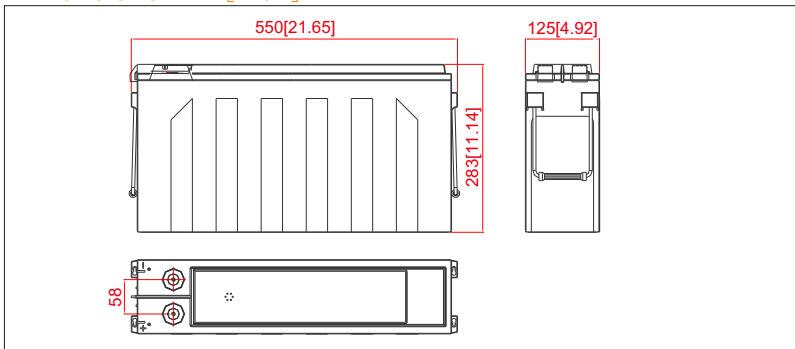
Model: 12HRL600

HRL Series

The HRL range of VRLA batteries with 12+ years design life is perfectly suited to any application which requires a high rate current over a short period. In particular they are ideal for IDC and UPS systems thanks to their optimized performance and a patented post seal design. Meanwhile with excellent uniform battery performance, long deign life wide usage temperature range, HRL series are suit for high ambient temperature.



Dimensions-mm [inch]



Specifications

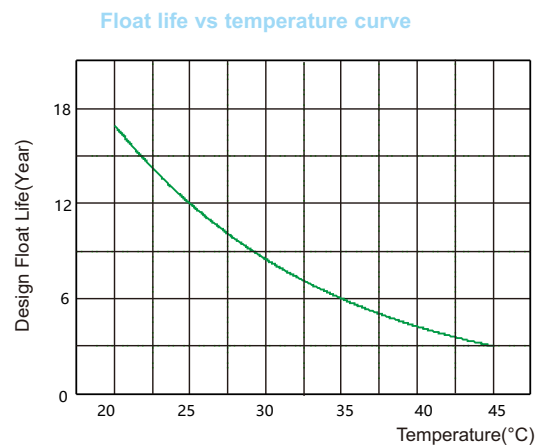
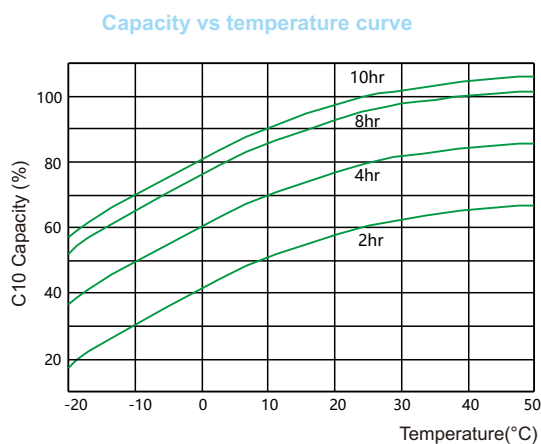
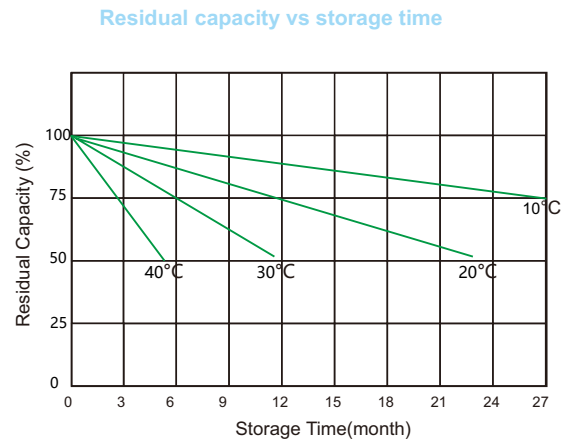
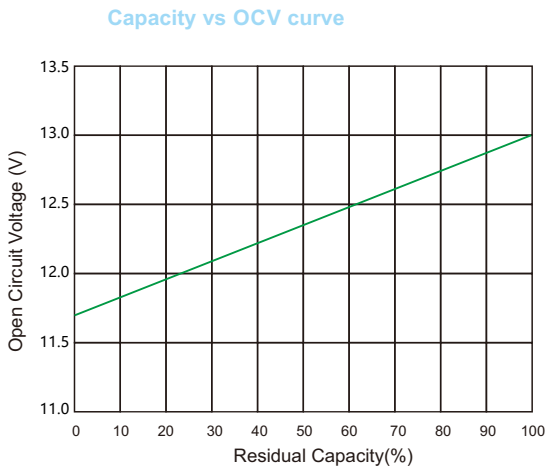
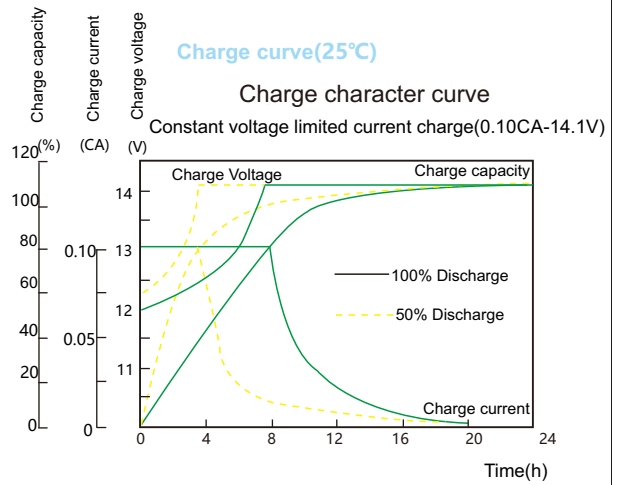
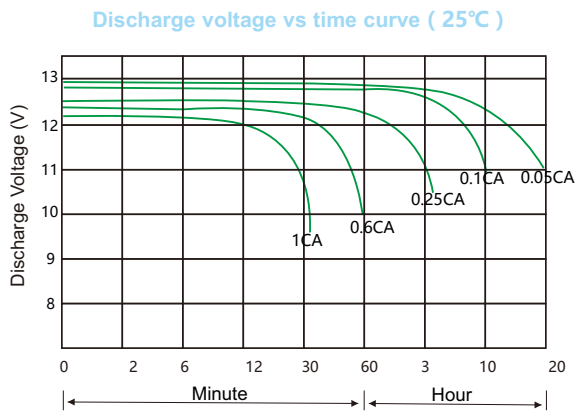
Battery Model	12HRL600 (AGM)
Nominal Voltage	12V
Rated Capacity	600 W/cell(15 minute rate, 1.67 V/cell) and 150Ah(10 hr to 1.80V/cell) @25°C(77°F)
Typical Weight	51kg±3%
Internal Resistance	Approx 3.20mΩ
Temperature Ranges	Operation (maximum): -40°C to 55°C(-40°F to 131°F)
	Operation (recommended): 15°C to 25°C(59°F to 77°F)
	Storage: -20°C to 40°C(-4°F to 104°F)
Float Voltage	2.27V/cell@25°C(77°F)
Max Discharging/ Charging Current	1,500A / 37.5A (recommended)
Equalize and Cycle Service	2.35V~2.40V@25°C(77°F)
Self Discharge	The residual capacity is above 94% after 90 days storage(25°C/77°F)
Terminal	M6 Female (copper)
Terminal Hardware Torque	8~10N·m
Container Material	ABS (V0 optional)

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
1.60V	1092	770	620	515	388	293	269	250	218	123
1.67V	1020	742	600	503	384	292	268	249	217	122
1.70V	985	727	587	495	383	291	266	248	216	121
1.75V	930	701	568	482	379	290	265	246	215	120
1.80V	719	624	535	464	369	287	264	245	214	119
1.83V	675	592	511	445	356	277	256	238	208	117
1.85V	643	565	488	426	342	267	247	230	202	115

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	627	446	345	281	208	155	142	131	113	63.3	44.7	28.6	18.9	15.5
1.67V	563	424	335	276	206	154	141	130	112	63.0	44.4	28.4	18.8	15.4
1.70V	531	411	329	272	204	153	140	129	111	62.7	44.2	28.2	18.7	15.3
1.75V	476	385	313	262	199	150	138	127	110	62.2	43.9	28.1	18.6	15.2
1.80V	424	352	291	245	189	144	132	122	106	60.9	43.2	27.7	18.3	15.0
1.83V	393	326	271	230	179	137	126	117	103	59.8	42.8	27.5	18.0	14.7
1.85V	365	299	250	214	169	131	121	113	100	59.6	42.7	27.4	17.6	14.2



NARADA POWER SOURCE CO.,LTD.

Add: Building A, NO. 822 Wen'er West Road, Hangzhou, Zhejiang, China 310030

Tel: (+86-571) 56975980

E-mail: intl@narada.biz

Fax: (+86-571) 56975955

Website: en.naradapower.com



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