

stored energy solutions for a demanding world

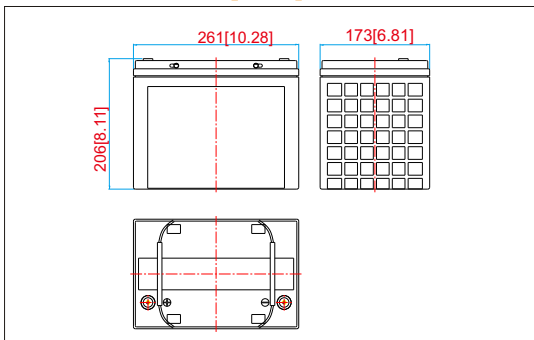
Narada

Model: **12HRL300**

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 design life wide usage temperature range, HRL series are suit for high ambient temperature.

Dimensions-mm[inch]



Specifications

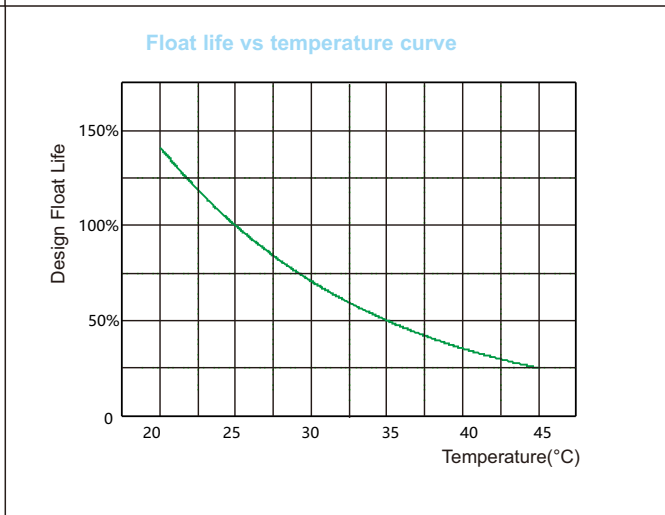
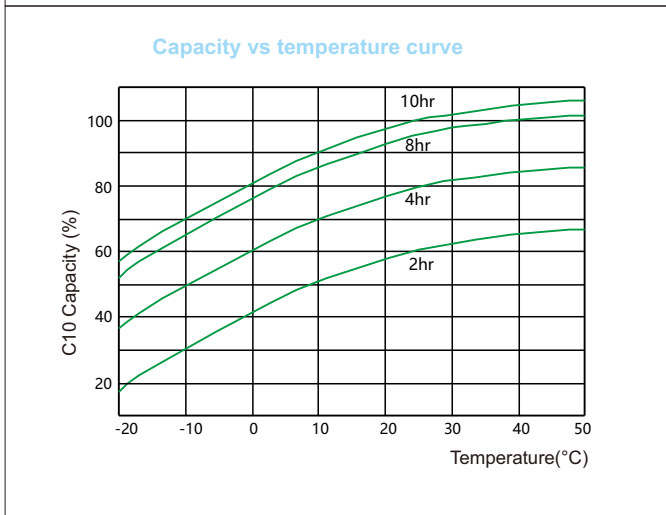
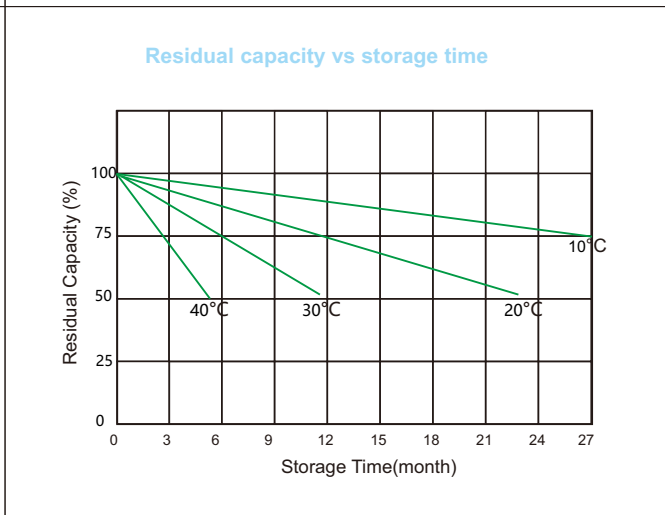
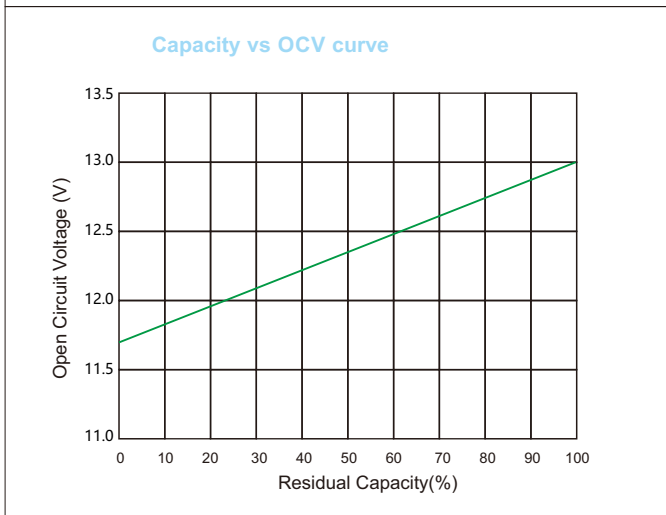
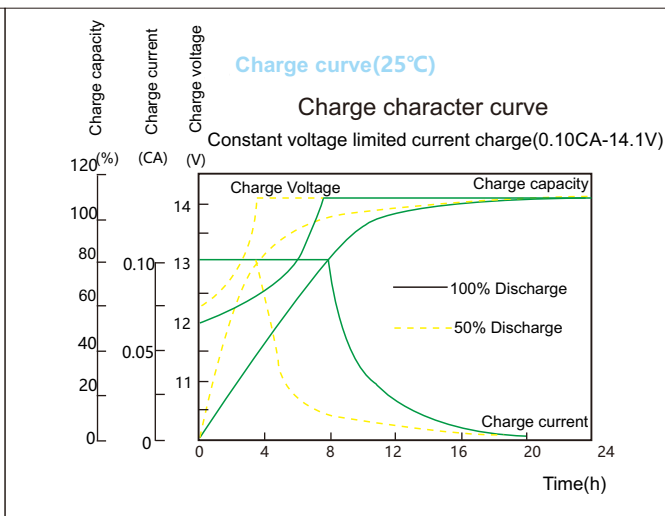
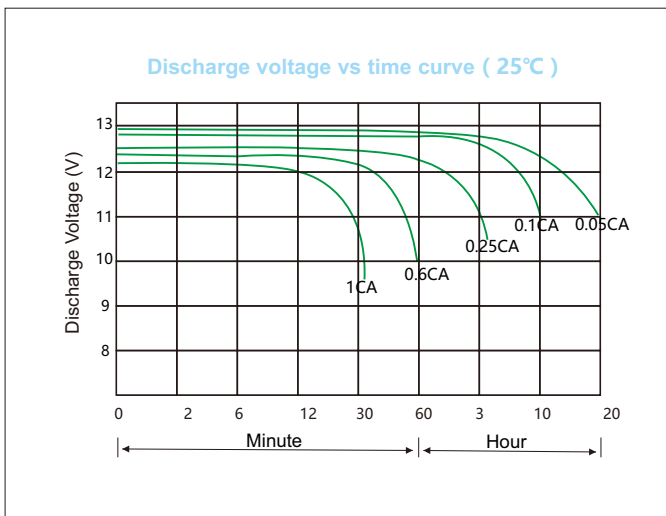
Battery Model	12HRL300
Nominal Voltage	12V
Rated Capacity	300 W/cell(15 minute rate, 1.67 V/cell) and 70Ah(10 hr to 1.80V/cell) @25°C(77°F)
Typical Weight	25.5kg
Internal Resistance	6.71mΩ
Temperature Ranges	Operation (maximum) : -40°C to 50°C(-40°F to 122°F)
	Operation (recommended) : 15°C to 25°C(59°F to 77°F)
	Storage: -20°C to 40°C(-4°F to 104°F)
Float Voltage	2.27V/cell@25°C(77°F)
Recommended Maximum Charging Current Limit	17.5A
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
Terminal Hardware Torque	8±1.0Nm
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	50min	1h	2h
1.60V	627	407	305	246	179	145	122	105	58.6
1.67V	586	395	300	243	178	144	121	104	58.2
1.70V	565	387	296	241	177	143	120	103	58.1
1.75V	526	369	286	234	174	142	119	102	57.7
1.80V	479	342	269	223	167	138	116	100	57.1
1.83V	446	322	255	213	162	134	113	98.4	56.2
1.85V	420	305	244	205	157	131	111	96.6	55.2

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

End voltage per cell	5min	15min	30min	1h	2h	3h	4h	6h	10h
1.60V	376	165	94.8	54.5	30.2	21.2	16.4	11.5	7.17
1.67V	349	161	94.0	54.3	30.0	21.0	16.3	11.4	7.14
1.70V	332	159	93.5	54.2	29.9	20.9	16.2	11.3	7.13
1.75V	296	153	92.0	53.7	29.7	20.7	16.1	11.2	7.10
1.80V	259	144	88.8	52.5	29.2	20.4	15.8	11.0	7.00
1.83V	239	137	85.6	51.1	28.5	20.0	15.5	10.8	6.88
1.85V	225	131	82.8	49.7	27.9	19.6	15.2	10.6	6.74



Zhejiang Narada power source Co., Ltd.
 Add: Building A, No.822 Wen'er West Road, Zhejiang, China
 Tel: (86 571)56975980 Fax:(86 571)56975955
 Email: intl@narada.biz Website: www.naradapower.com

