

stored energy solutions for a demanding world

**Narada**

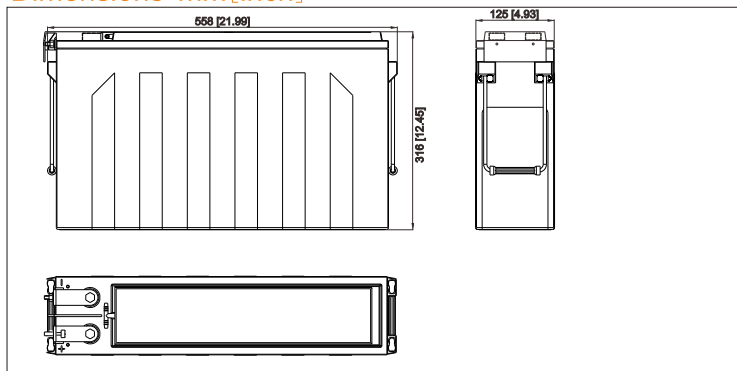
**Model: 12HRL700**

**HRL Series**

The HRL range of VRLA batteries 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	12HRL700
Nominal Voltage	12V
Rated Capacity	700 Watts per cell at the 15 minute rate to 1.67 volts per cell @25°C(77°F)
Typical Weight	59kg
Internal Resistance	Approx 2.90mΩ
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	45A
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	M8 Female
Container Material	ABS

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

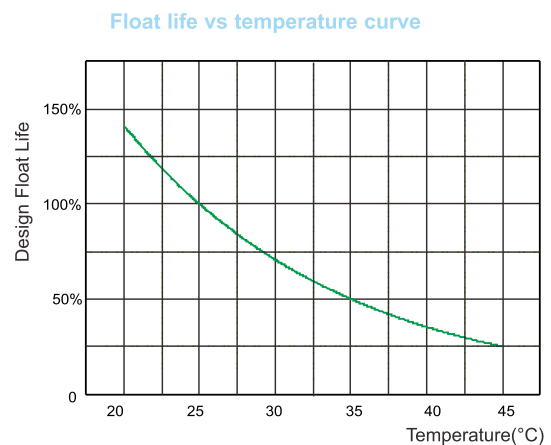
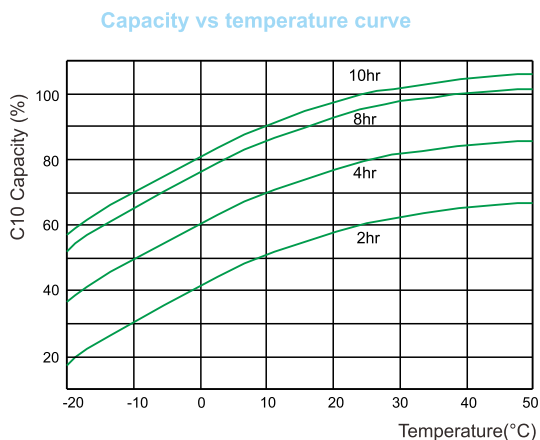
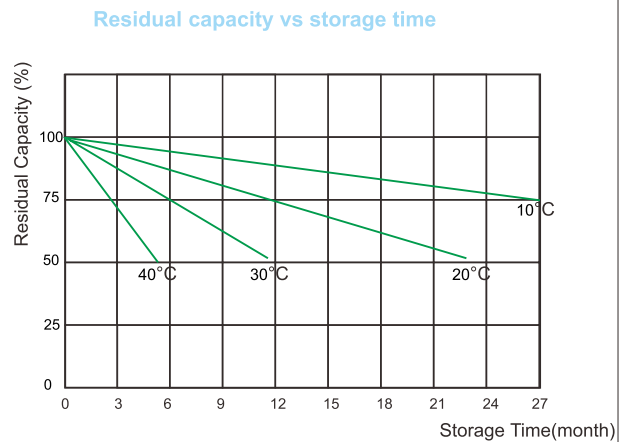
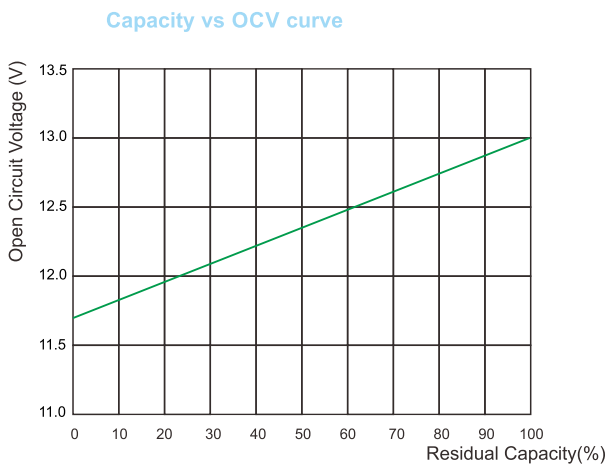
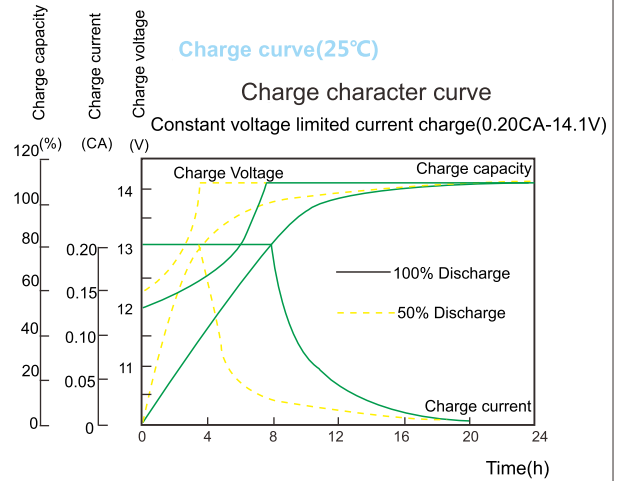
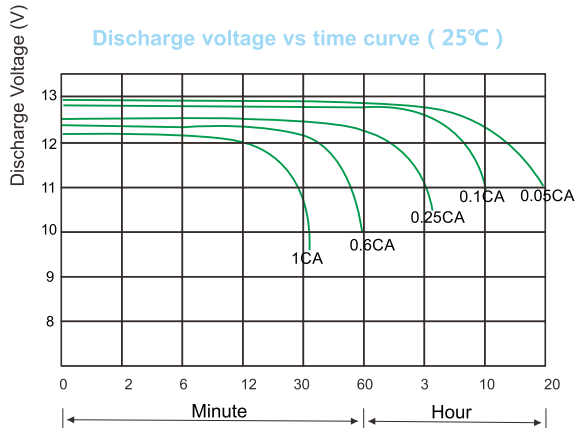
End voltage per cell	5min	10min	15min	20min	30min	40min	50min	1h	2h
1.60V	1154	906	727	605	453	364	305	264	154
1.67V	1106	867	700	587	444	359	303	262	153
1.70V	1080	843	683	574	438	356	301	261	152
1.75V	1021	790	645	547	423	347	296	258	151
1.80V	930	718	593	509	401	334	287	252	149
1.85V	792	631	535	468	378	319	276	244	143

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