

stored energy solutions for a demanding world

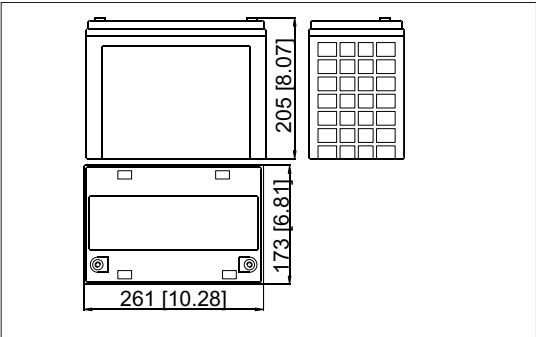


Model: 12HRL300

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 deign 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 Watts per cell at the 15 minute rate to 1.67 volts per cell @25°C(77°F)
Typical Weight	25.5kg
Internal Resistance	4.0mΩ
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	18.75A
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)

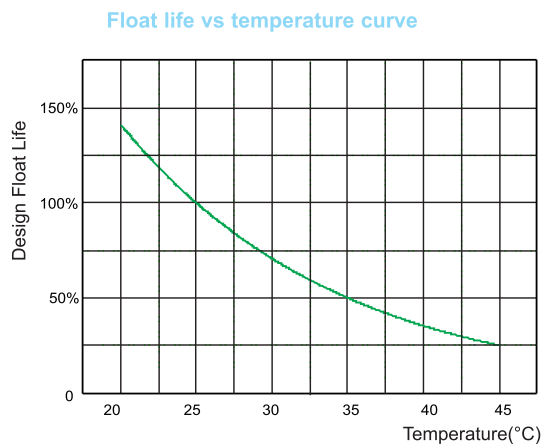
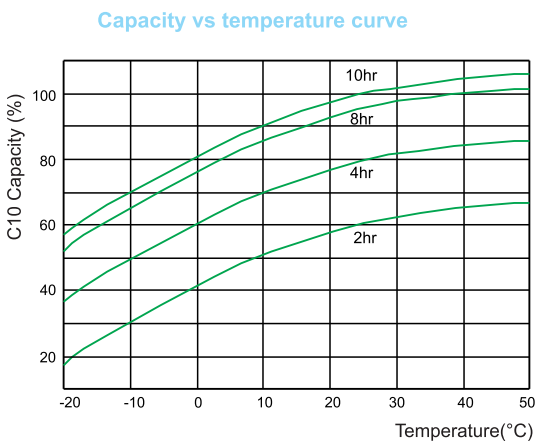
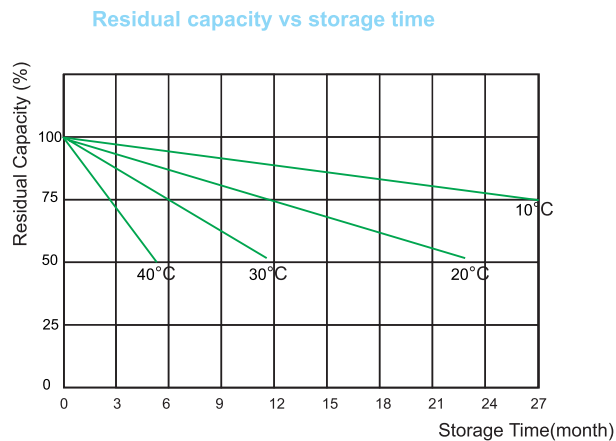
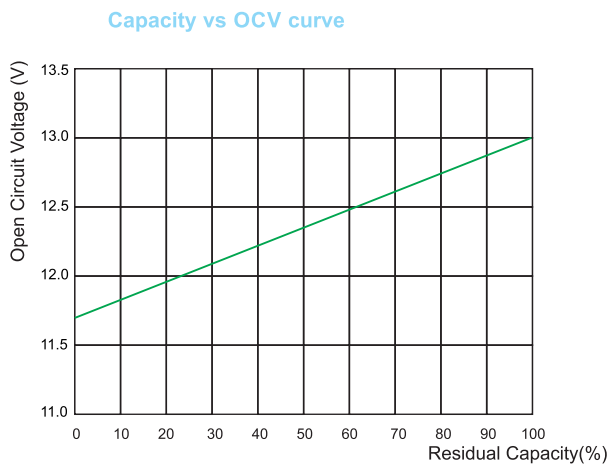
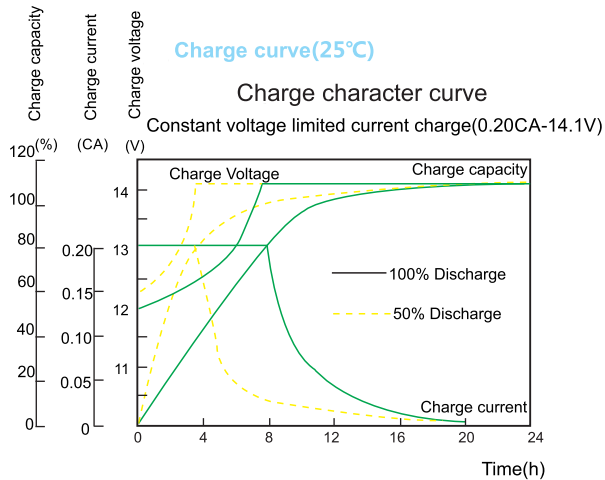
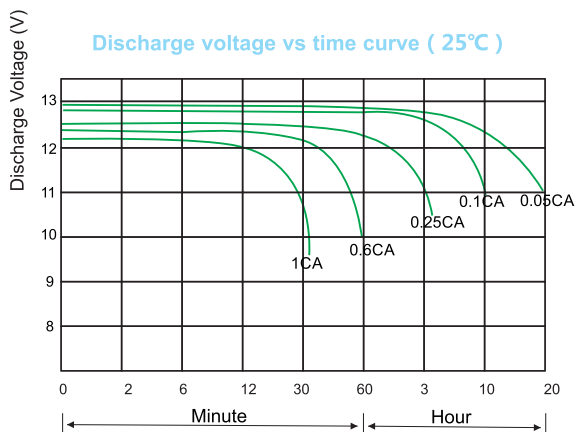
End voltage per cell	5min	10min	15min	20min	30min	40min	50min	60min	120min
1.60V	601	432	315	278	190	140	114	95.6	55.0
1.67V	573	415	300	274	188	138	112	95.4	54.6
1.70V	562	405	294	270	185	137	110	95.3	54.3
1.75V	473	350	273	262	177	135	109	95.0	54.0
1.80V	414	325	259	244	167	134	108	93.2	53.8
1.85V	355	288	235	230	156	133	106	91.8	51.4

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Narada

Model: 12HRL300

HRL Series



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