

# NS-1290-H (12 V, 9 Ah / 20hrs.)

## VRLA Rechargeable Sealed Lead Acid Battery



### Specification

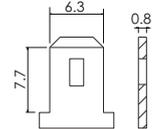
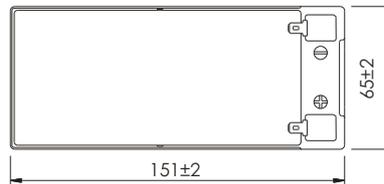
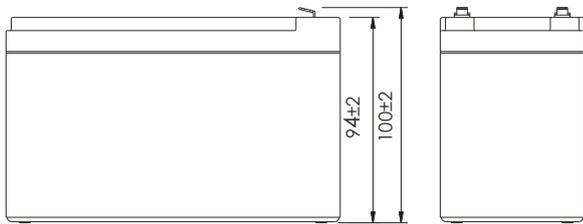
Nominal Voltage	12 V	
Capacity	20 hours rate (0.45A)	9 Ah
Discharge Current Testing (25°C)	20 I <sub>20</sub> rate (9A, 27min)	37 min
	60 I <sub>20</sub> rate (27A, 7min)	8 min
Internal Resistance	Full Charged Battery 25°C	
	40°C	104%
	25°C	100%
	0°C	83%
Capacity affected by Temperature	-15°C	65%
	Capacity After 3 Months Storage	
	Capacity After 6 Months Storage	
Self-Discharge (25°C)	Capacity After 12 Months Storage	
	91%	
	82%	
Charge (Constant Voltage)	Cycle use	Initial Charging Current less than 2.7A, Voltage 14.5-14.9V (25°C)
	Standby use	Charge Voltage 13.5-13.8V (25°C)
Weight	Approximate	2.4 kg



### Applications

- All purpose
- Uninterruptable Power Supply (UPS)
- Electric Power System (EPS)
- Electronic apparatus and equipment
- Communication power supply
- Emergency backup power supply
- Emergency light
- Railway signal
- Aircraft signal
- Alarm and security system
- DC power supply
- Auto control system

### Dimension and Terminal



F2 Terminal

### Constant Current Discharge (Amperes) at 25°C (77°F)

F.V/Time	5Min	10Min	15Min	30Min	60Min	2H	3H	5H	8H	10H	20H
9.60	39.08	25.75	19.04	10.62	5.81	3.21	2.18	1.51	1.00	0.81	0.45
10.20	37.17	24.25	18.14	10.22	5.58	3.16	2.15	1.49	0.99	0.81	0.44
10.50	36.17	23.85	17.84	9.92	5.47	3.13	2.13	1.48	0.98	0.80	0.43
10.80	34.84	23.05	17.33	9.72	5.30	3.10	2.11	1.46	0.98	0.80	0.43

### Constant Power Discharge (Watts) at 25°C (77°F)

F.V/Time	5Min	10Min	15Min	30Min	60Min	2H	3H	5H	8H	10H	20H
9.60	435.87	290.58	217.43	121.24	67.33	37.47	25.95	18.04	12.12	9.77	5.45
10.20	414.83	273.55	206.41	117.32	64.63	36.97	25.55	17.84	11.92	9.74	5.43
10.50	402.80	268.54	203.41	113.23	63.33	36.57	25.35	17.64	11.72	9.67	5.41
10.80	388.78	259.52	197.39	111.22	61.42	36.17	25.15	17.43	11.62	9.62	5.39

### Capacity Factors with Different Temperature

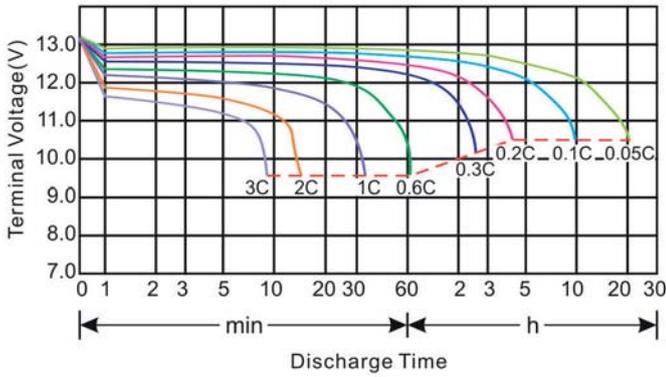
Temperature	-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
Battery 12 Vdc	50%	70%	83%	85%	90%	98%	100%	102%	104%	105%

# NS-1290-H (12 V, 9 Ah / 20hrs.)

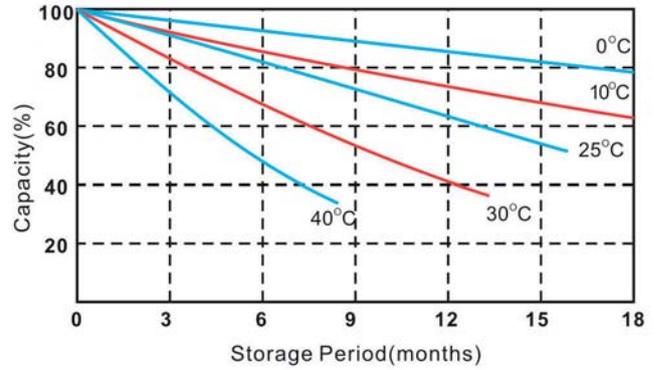
VRLA Rechargeable Sealed Lead Acid Battery



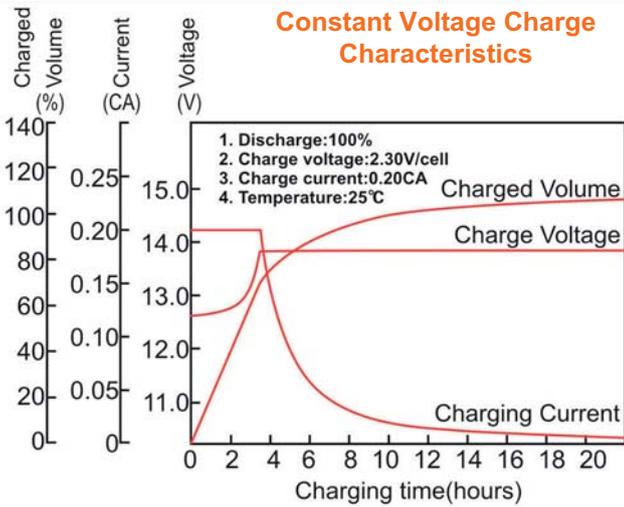
## Discharge Characteristics



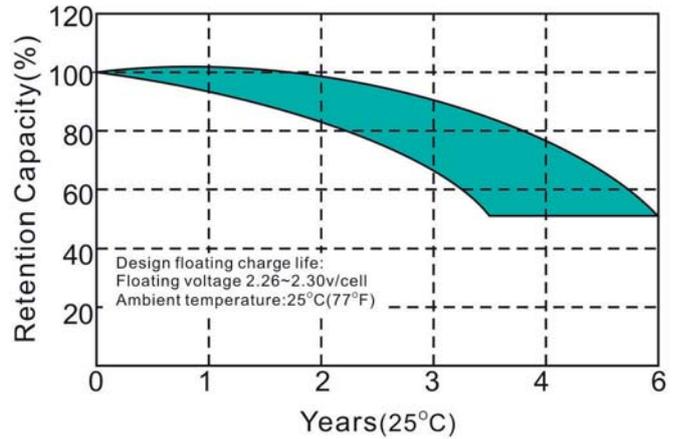
## Self Discharge Characteristics



## Constant Voltage Charge Characteristics



## Float Life



ISO 9001  
 ISO 14001  
 OHSAS 18001



Authorized Distributor

LEO POWER SUPPLY CO.,LTD.

27, 4th Floor, Soi Bangna-Trad Rd 34, Bangna-Trad Road, Bangna, Bangkok 10260 THAILAND

Tel. 0-2746-9500, 0-2746-8708 Fax. 0-2746-8712 e-mail: marketing@lpsups.com