

12NPL100T

The Narada Telecom Pure Lead range of VRLA batteries are well suited to provide battery backup in outdoor application long duration or outside plant application.

All Narada Telecom series batteries use CCPP plate technology and a patented post design offering exceptional service life.



Technical Features:

- ◆ Flame Retardant ABS Cover and Container, UL94 V-0, LOI>28%
- ◆ Patented copper alloy terminal design
- ◆ Epoxy TPS design for high reliability post seal
- ◆ 24 months of storage at 68°F (20°C)
- ◆ Initial capacity at 100%
- ◆ Low pressure one-way flame arresting valve(s) UL1989
- ◆ Absorbent Glass Mat (AGM) Sealed Technology, Recombination efficiency of 99.9%

Compliance and Safety:

- **ISO 9001:2000 and ISO 14001:2004 certified facilities**
- UL Recognized Component 924, for use in or with listed UL1778, UL1989 and UL924 systems
- IEC60896-21/22 / BS6290 part 4
- Certified to NEBS Version 8, Level 3
- Telcordia GR-1089-CORE, Issue 6
- Telcordia GR-63-CORE, Issue 4
- **Manufactured under system ISO9001(TUV)**
- Battery installation compliant with: EN 50272-2 or local equivalents
- NEBS Earthquake Risk Seismic Zone 4 Compliant

Transportation:

- ◆ Classified as Nonspillable UN 2800 and meet the Nonspillable criteria listed in DOT-CFR Title 49, 171-189 (d) (3) (i) and (ii) and exempt from CFR 49, Subchapter C requirements
- ◆ Meets transportation conditions of IMDG exemption 238, IATA/ICAO Special Provision A67 (Not Restricted)

Ah @ 8hr 1.75 vpc / 77°F (25°C)	92 Ah
Ah @ 10hr 1.80 vpc / 77°F (25°C)	93 Ah

Nominal Voltage	12V
Float Charge Voltage @25°C (2.23 – 2.27vpc)	13.4 – 13.6
Max. Charge Current (A) (5 hour rate @ 1.75vpc)	25 Amps

Electrolyte Absorbed H ₂ SO ₄	1.300
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Short Circuit Current (A)	1949 Amps
Internal Resistance (mΩ)	7.26

Terminal Type	Torque
M6-F	78 in-lbs (8 ±1 Nm)

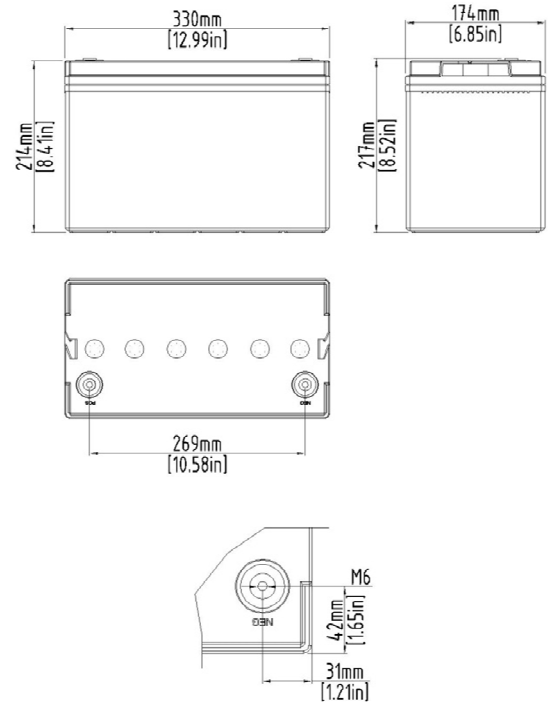
Dimension	in	mm
Length	12.99	330
Length Base	12.99	330
Width	6.85	174
Overall Height	8.52	217

	Lbs.	Kg
Weight	64	29

CLEI	Pending	CPR	Pending
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Operating Parameters

Float Charging Voltage	13.5V / 2.25Vpc @ 77°F (25°C)
Equalize /Cycle	14.0V – 14.3V 2.33Vpc to 2.38Vpc @ 77°F (25°C)
See Operations and Maintenance Manual for specific guidelines and recharge times	
Charging Temperature Compensation	-2 mV/cell/°F > 77°F (-3.6 mV/cell /°C > 25°C)
	+2 mV/cell/°F < 77°F (+3.6 mV/cell/°C < 25°C)
Maximum AC Ripple (Charger)	0.5% RMS, 1.5% peak-to-peak for float charge voltage for best results
Operating Temperature Range	
Nominal	+74°F (24°C) to 80°F (27°C)
Charge	-20°F (-28°C) to +122°F (50°C)
Discharge	-40°F (-40°C) to +140°F (60°C)
Storage Temperature Range	-4°F (-20°C) to +104°F (40°C)



Constant Current Discharge (Amps) @ 77°F/25°C															
End vpc	5m	15m	30m	45m	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.67	287	161	95.2	72.8	59.6	35.9	26.2	20.8	17.3	14.9	11.7	9.58	8.03	5.06	4.27
1.70	282	159	94.8	72.5	59.4	35.7	26.1	20.7	17.2	14.8	11.6	9.53	7.99	5.03	4.25
1.75	269	156	93.4	71.7	58.8	35.5	25.9	20.6	17.1	14.7	11.5	9.46	7.93	5.00	4.22
1.80	243	149	91.2	70.4	58.0	35.0	25.6	20.3	16.9	14.5	11.3	9.30	7.79	4.91	4.16
1.83	224	143	88.9	69.0	56.9	34.5	25.1	19.9	16.5	14.2	11.1	9.11	7.63	4.82	4.08
1.85	213	138	86.4	67.3	55.6	33.8	24.7	19.6	16.3	14.0	10.9	8.97	7.51	4.74	4.01
1.86	208	136	85.2	66.5	55.0	33.5	24.5	19.5	16.2	13.9	10.8	8.90	7.45	4.70	3.98

Constant Power Discharge (Watt/Cell) @ 77°F/25°C															
End vpc	5m	15m	30m	45m	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.67	481	280	173	135	113	70.4	52.4	42.1	35.2	30.3	23.8	19.6	16.4	10.3	8.51
1.70	472	277	172	134	112	70.3	52.3	42.0	35.1	30.2	23.7	19.5	16.3	10.2	8.49
1.75	451	271	169	133	111	69.8	51.9	41.7	34.9	30.1	23.6	19.4	16.2	10.1	8.44
1.80	416	261	165	131	110	68.9	51.3	41.1	34.4	29.7	23.3	19.2	16.0	9.94	8.33
1.83	389	253	162	129	108	68.0	50.6	40.6	34.0	29.3	23.0	18.9	15.8	9.81	8.22
1.85	372	246	159	126	106	67.0	49.9	40.0	33.5	28.8	22.6	18.6	15.5	9.62	8.06
1.86	364	243	158	125	105	66.5	49.6	39.7	33.3	28.6	22.4	18.5	15.4	9.53	7.98

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