

12HTB210F



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:

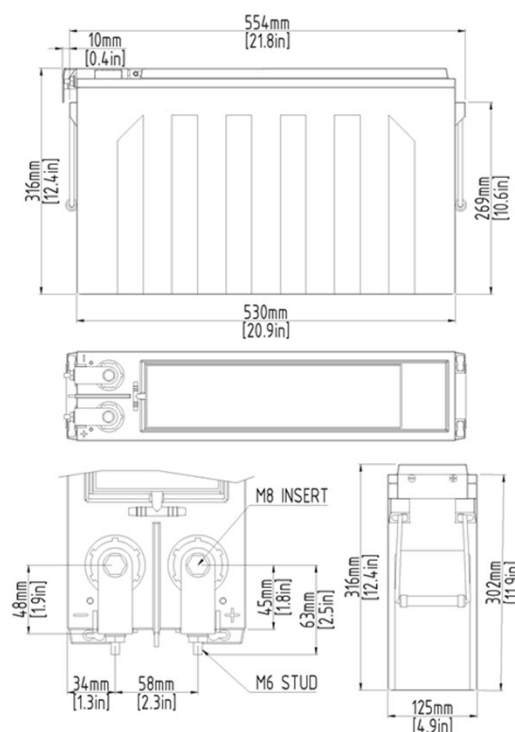
- Classified as Nonspillable UN 2800 and meet the Nonspillable criteria listed in DOT-CFR Title 49, 171-189 (d) (3) (i) and (ii) and exempt from CFR 49, Subchapter C requirements
- Meets transportation conditions of IMDG exemption 238, IATA/ICAO Special Provision A67 (Not Restricted)

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.

Ah @ 8hr 1.75 vpc / 77°F (25°C)	202 Ah		
Ah @ 10hr 1.80 vpc / 77°F (25°C)	210 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)	50.0 Amps		
Electrolyte Absorbed H ₂ SO ₄	1.300		
Short Circuit Current (A)	2990 Amps		
Internal Resistance (mΩ)	4.25		
Terminal Type	Torque		
M6-M (Front L Bracket)	78 in-lbs (8 ±1 Nm)		
M6-F (Top Insert)	78 in-lbs (8 ±1 Nm)		
Dimension	in	mm	
Length	21.8	554	
Length Base	20.9	530	
Width	4.9	125	
Overall Height	12.4	316	
Weight	Lbs.	Kg	
	132	60	
CLEI	Pending	CPR	Pending

OPERATING PARAMETERS

Float Charging Voltage	13.62V / 2.25Vpc @ 77°F (25°C) 13.44V / 2.24 vpc @ 95°F (35°C)
Equalize /Cycle	14.0V – 14.3V 2.33Vpc to 2.38Vpc @ 95°F (35°C)
See Operations and Maintenance Manual for specific guidelines and recharge times	
Charging Temperature Compensation	-2 mV/cell/°F > 94°F (-3.6 mV/cell/°C > 25°C)
	+2 mV/cell/°F < 94°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	+75°F (25°C) to 95°F (35°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	24 h
1.67	546	333	219												
1.70	504	324	216	165	134										
1.75	488	315	212	163	133	78.5	56.4	44.3	36.6	31.3	25.2	21.7	18.5	12.9	11.0
1.80	445	286	200	131	58.0	78.3	56.3	44.2	36.5	31.1	25.0	21.0	17.5	11.1	9.03
1.83	369	257	188	129	56.9	78.2	56.2	44.0	36.4	30.9	24.3	20.1	17.2	10.8	8.99
1.85	344	244	180	124	55.6	78.0	55.8	43.8	36.2	30.7	23.8	19.7	17.0	10.4	8.74
1.86	326	231	171	118	55.0	74.8	55.0	43.3	35.6	30.0	23.5	19.6	16.2	9.64	7.93

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	24 h
1.67	947	623	422												
1.70	891	597	410	318	262										
1.75	862	580	403	314	259	156	113	89.2	74.6	63.2	49.4	44.0	37.3	23.4	19.8
1.80	796	539	383	303	253	155	113	89.0	74.4	63.1	49.1	43.2	36.3	21.8	18.0
1.83	671	481	358	292	248	155	113	88.9	74.2	62.9	48.0	41.4	34.0	19.9	17.0
1.85	631	459	346	282	241	155	112	88.7	74.1	62.7	47.4	40.8	33.5	18.5	15.8
1.86	603	439	332	272	232	150	111	88.1	72.6	61.6	46.7	40.5	33.4	17.3	14.8