



PWL12V38

12V 33Ah-8Hr

Proven in the real world, the PWL Series of telecom batteries provides security and long life in extreme climates where other VRLA batteries just don't survive. The PWL technology utilizes proprietary lead alloys and active material additives. The PWL Series is the most cost effective battery solution over the total life cycle and for initial installation in your network.



- High temperature, long life design
- Low calcium alloy for long life
- VZ TPR-9802 compliant
- UL 1989 Listed
- UL94 V-0 flame retardant case
- Harnesses/connecting bars available
- AGM and spill-proof construction
- No maintenance required
- Telcordia 13 year design life
- Greater than 6.5 years at 35°C
- GR-4228 compliant
- GR-I089 compliant
- GR-63 NEBS compliant

SPECIFICATIONS

* Maximum Charge Current is 25% of the 8 Hr. Rate

Nominal Voltage (V)	Rated Capacity Rate In Ah * 8 Hr	Ambient Temperature		Outer Dimensions								Weight		Terminal
		Charge / Discharge	Storage	L		W		H		TH				
				mm	in.	mm	in.	mm	in.	mm	in.	kg	lbs.	
12	33 Ah	-20 to 50°C (-4 to 122°F)	-20 to 50°C (-4 to 122°F)	197	7.8	163	6.4	174	6.9	174	6.9	14.0	30.8	Top-M5 Stud

Amperes to Final voltage: 1.75V per cell @ 25°C (77°F)

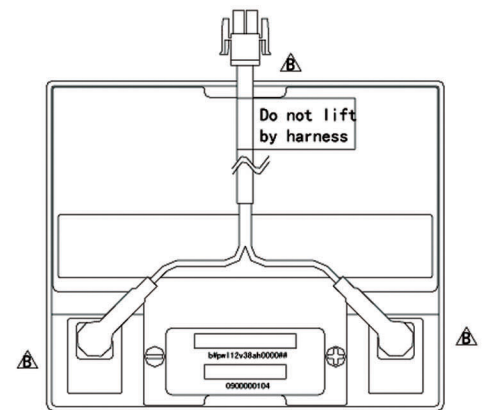
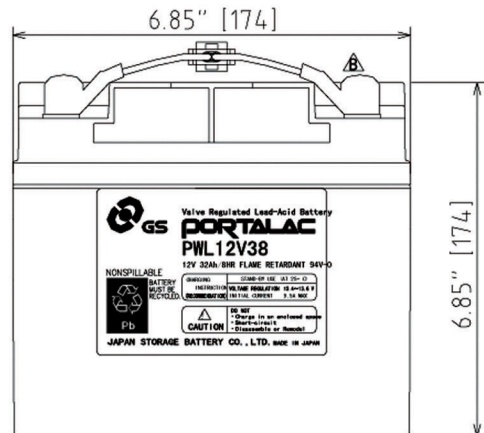
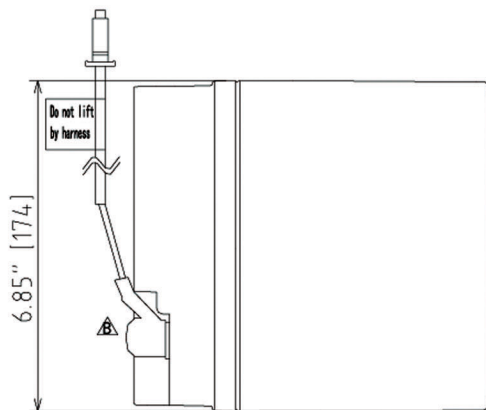
DISCHARGE TIME (Hr)										
2	3	4	5	6	7	8	9	10	12	20
12.9	9.2	7.3	6.1	5.2	4.6	4.1	3.7	3.4	2.9	1.9

Watts to Final voltage: 1.75V per cell @ 25°C (77°F)

DISCHARGE TIME (Hr)										
2	3	4	5	6	7	8	9	10	12	20
153	112	89	74	63	56	50	45	41	35	22

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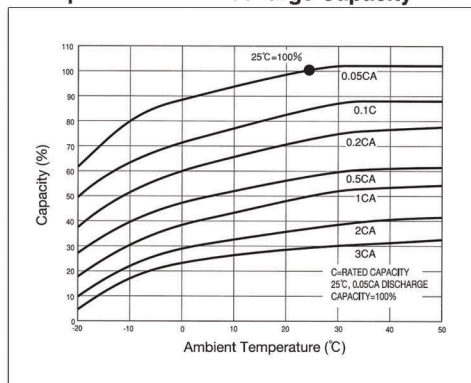
12V 33Ah-8Hr



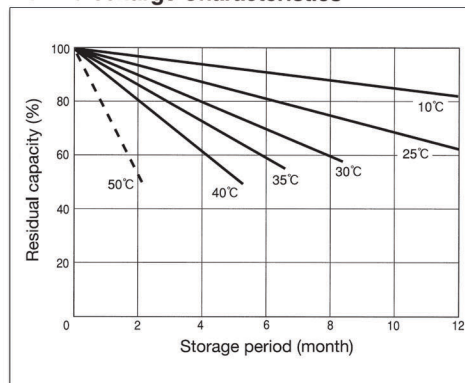
units: mm

- **Float Charge Voltage:** 13.38V +/- 0.15V
- **Temperature Compensation:** The recommended compensation factor is -3mV/°C/cell. The standard center point for temperature compensation is 25°C.
- **Internal Resistance:** Approximately 7mΩ measured with 1kHz AC bridge
- **Terminal Torque:** 22.1 in.lbs. (2.5Nm)

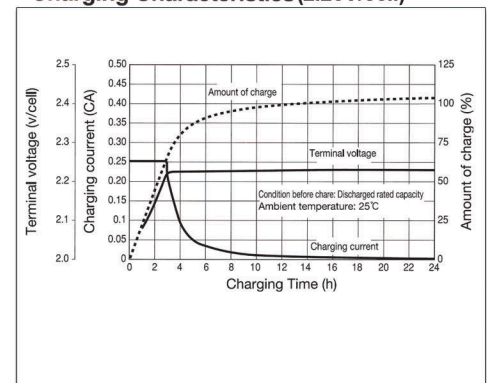
Temperature and Discharge Capacity



Self-discharge Characteristics



Charging Characteristics (2.23V/cell)



500-100-078 ver.1.0 9-2016

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International Certification
(1).ISO 9001, TS16949



(2).UL approval, Code:MH12970