



# PYL12V90FS

12V 90Ah-8Hr



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

- Primary lead for Long Life
- UL94 V-0 flame retardant case
- High temperature, long life design
- AGM and spill-proof construction
- Harnesses/connecting bars available
- No maintenance required
- 10+ years design life
- SR-4228 compliant
- UL recognized
- ABS plastic case for durability

## 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		kg	lbs.	
				mm	in.	mm	in.	mm	in.	mm	in.			
12	90 Ah	-15 to 50°C (5 to 122°F)	-15 to 40°C (5 to 104°F)	395	15.6	105	4.1	255	10.0	255	10.0	30.0	66.1	Front-M8 Bolt

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

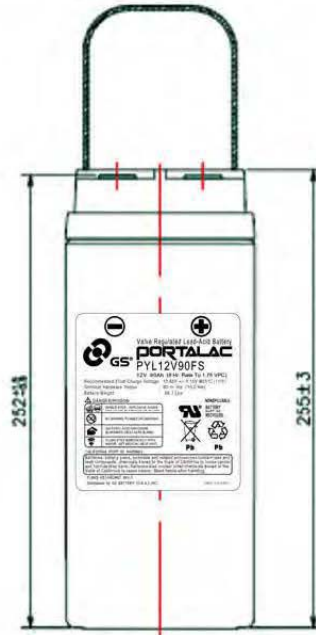
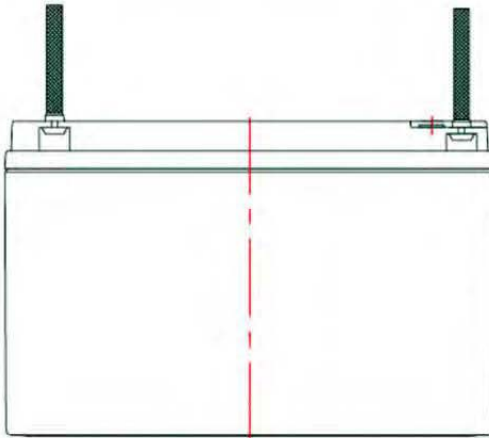
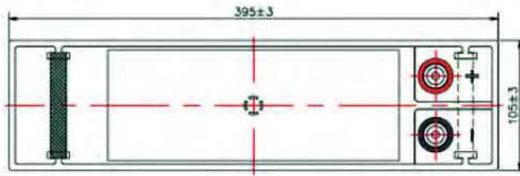
### DISCHARGE TIME (Hr)

2	3	4	5	6	7	8	9	10	12	20
34.2	24.4	19.3	16.1	14.1	12.5	11.3	10.3	9.2	8.3	5.0

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

### DISCHARGE TIME (Hr)

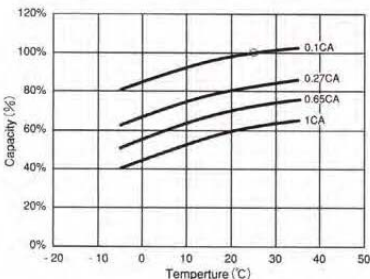
2	3	4	5	6	7	8	9	10	12	20
389	280	219	182	162	144	130	115	105	96	58



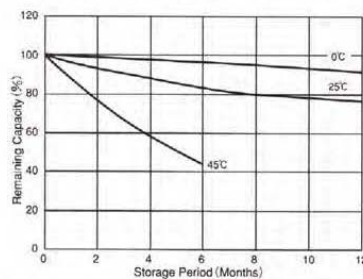
units: mm

- **Float Charge Voltage:** 13.65V +/- 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 3.4 mΩ measured with 1kHz AC bridge
- **Terminal Torque:** 90 in. lbs. (10.2Nm)

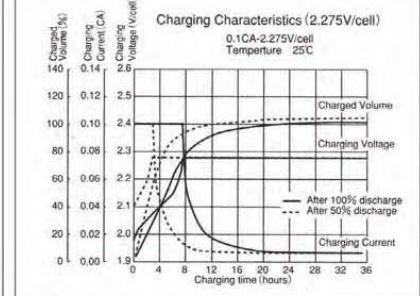
**Temperature and Discharge Capacity**



**Self-discharge Characteristics**



**Charging Characteristics(2.275V/cell)**



**Emergency Lite Service Center**  
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E.L.S.C. is a distributor of  
**PORTALAC**  
**Batteries**

International Certification  
 (1).ISO 9001, TS16949  
 (2).UL approval, Code:MH12970