



## ROI

Battery Purchase plus Watering Cost and Return on Investment for the most popular Tubular-LM™ Battery (12-85-13) as compared to the Traditional Flooded equivalent.

Tubular-LM batteries are designed to achieve a 90-day watering interval with the use of an SCR200 or EHF charger with the advanced I-W-P charging profile.

**Basis: single shift operation, 52 weeks per year, 5 year battery life**

Number of battery cells:

12

Maintenance labor rate, (includes benefits and overhead):

\$ 30.00 /hr

### Annual battery watering cost

Traditional Flooded Battery (assumes maintenance time of 1.5 minutes/cell/week)

\$ 468

Tubular-LM Battery (assumes maintenance time of 1.5 minutes/cell/quarter)

\$ 36

	Purchase Price*	5 Year Watering Cost	
Tubular-LM	\$ 2533	\$ 180	
Traditional Flooded**	\$ 2398	\$ 2340	
<b>Difference</b>	<b>\$ 135</b>	<b>\$ 2160</b>	

### Tubular-LM Payback Period

0.3 years

Net Savings over the Traditional Flooded Battery for 5 Years = 2160-135

\$ 2025

Return on Investment (ROI) = Net Savings / Purchase Price = 2025/2533

80%

\*excludes charger cost \*\*as made by GNB



You may also want to consider trying the newest addition to our Tubular-LM family.



### FP - Taking convenience to a whole new level!

- Perfectly matched Tubular-LM battery and on-board, top-mounted, high-frequency charger provides maximum battery power output and system run time.
- Ideal for light and medium-duty use.
- Fits most common sizes of pallet trucks and walkie stackers.
- Charge anywhere there is a 15 amp, 120-volt, 60 Hz, single phase AC outlet.
- 5-year limited warranty on 5 and 7-plate batteries!



## ROI

To calculate the Battery Purchase plus Watering Cost and Return on Investment for your specific case, fill in the boxes and perform the calculations as instructed.

		Tubular-LM Battery	Other Battery
Battery part number			
Number of cells in the battery	A		
Maintenance labor rate, \$/hr	B		
Actual watering time, minutes per cell	C		
Actual watering frequency, every X days	D	90	
Annual watering labor cost, \$	$E = A \times B \times C \times 6.083 / D$		
Battery purchase price, \$***	F		
Battery 5 year watering labor cost, \$	$G = E \times 5$		
Battery Purchase plus Watering Cost, \$	$H = F + G$		
Difference in purchase price, \$	$I = \text{Tubular } F - \text{Other } F$		
Difference in 5 year watering labor cost, \$	$J = \text{Other } G - \text{Tubular } G$		
Tubular-LM payback period, years	$K = I / (J/5)$		
Tubular-LM net savings over Other battery for 5 years, \$	$L = J - I$		
Tubular-LM Return on Investment, %	$M = L / \text{Tubular } F \times 100$		

\*\*\* charger costs can be included here, if applicable



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Visit [www.gnb.com](http://www.gnb.com) to learn more about our Tubular-LM Low Maintenance Tubular Plate Batteries.

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