



# PRO GEL

High-Performance Construction  
Non-Spillable VRLA



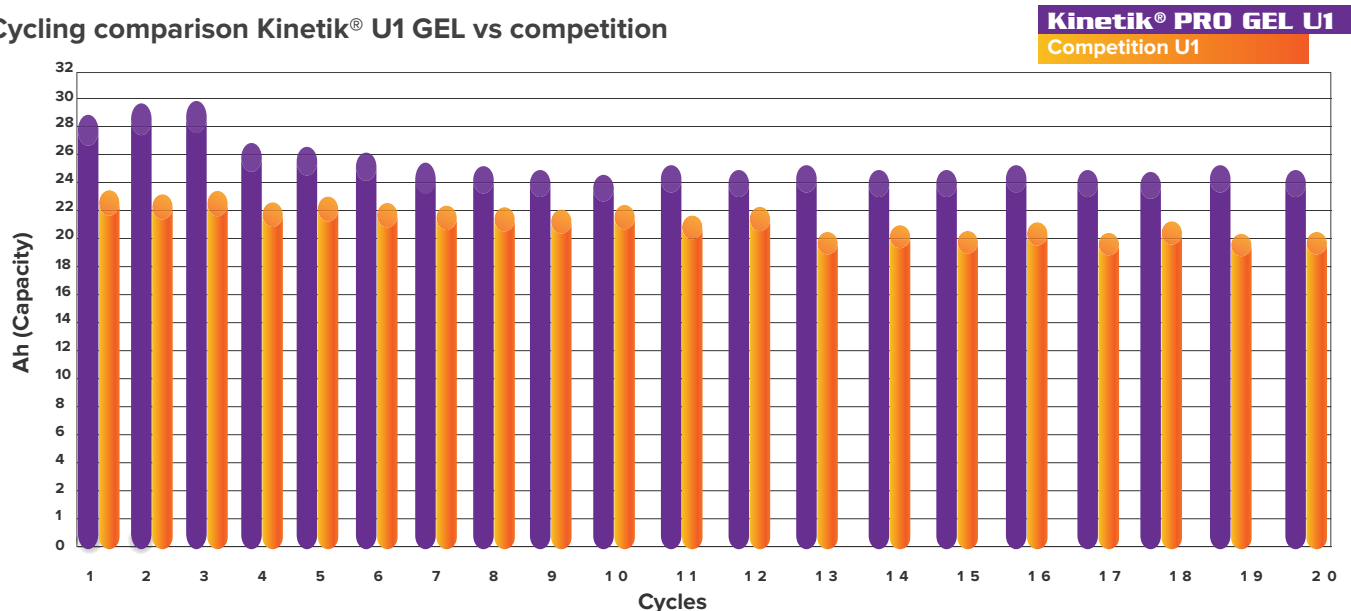
UPG No.	Model No.	Terminal	Nominal Voltage	Capacity 20 hr. Rate	Length in mm	Width in mm	Height in mm	Weight lbs. +/- 5%
47600	KU1 GEL	L	12	33.00	7.76 197	5.20 132	6.15 156	22.5
47601	K22NF GEL	Z1	12	55.00	9.00 229	5.50 140	8.40 213	39.0
47602	K24	Z	12	75.00	10.25 260	6.79 172	9.23 234	53.0
47603	K34	I6	12	60.00	10.24 260	6.61 168	7.05 180	47.4

**Designed for optimum power when exceptional performance counts.**

The KINETIK® PRO GEL battery is engineered to deliver optimum deep cycle performance. Designed with high-grade construction using time-tested German technology, the KINETIK® PRO GEL delivers best in class performance when stability, reliability and performance counts.

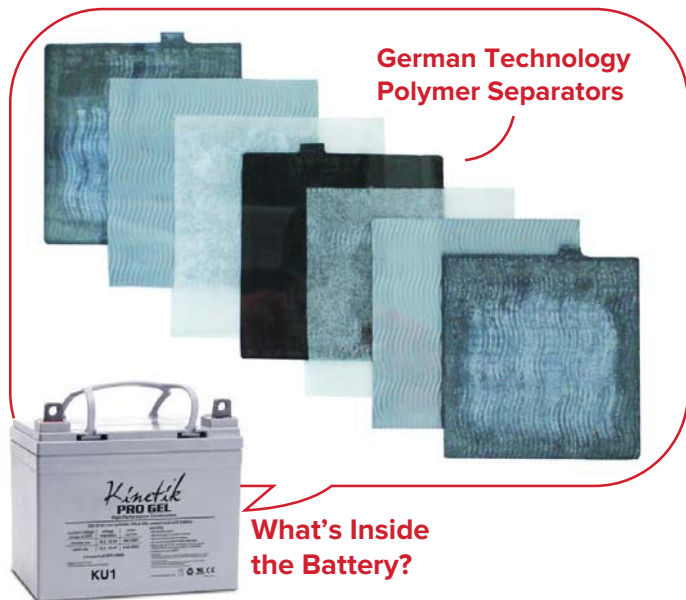
How does Kinetik® Pro GEL outperform the competition?  
The proof is in the pudding.

Cycling comparison Kinetik® U1 GEL vs competition



**Outlasting Performance**

\*Testing Based on 20 Cycles



## PROVEN PERFORMANCE

- > 100% of rated initial capacity vs leading brand at 85%
- > High performance
- > Optimum durability and stability
- > Superior cycle life - as much as 300% over AGM
- > Superior high temperature performance
- > Exceptional power for demanding applications

## REAL BENEFITS

- > Maintenance-free – Sealed
- > Extended cycles - Lower cost of ownership vs AGM
- > Safe in any position
- > Safety and stability
- > Impact and vibration-resistant
- > Proven reliability
- > Longer battery life
- > Ideal for mobility equipment, seating systems, power accessories
- > Meets DOT 49CFR173.159a(d) requirements

## ROBUST CONSTRUCTION

- > High-purity lead
- > High-stability German technology polymer separators with glass mat component
- > Vacuum filled gel
- > Tank-formed lead plates
- > Analytical-grade sulfuric acid
- > Superior acid stratification resistance for optimum performance
- > 99.9997 pure lead fumed silica for the basis of the gel electrolyte
- > 99.9997 pure lead distilled and de-ionized water for electrolyte
- > “BUNSEN” design sealing valves in each cell
- > LEAD/CALCIUM grid lead alloy enhances “deep discharge” recoverability
- > Compression of cell plate assemblies in their case eliminates positive plate “shedding”, and provides superior impact and vibration resistance

## FACTS

- > Elevated temperature is the #1 enemy of the SLA battery, thus the GEL electrolyte
- > GEL electrolyte construction also improves battery cycle-life by slowing down the return of oxygen to the negative plate, reducing the amount of gas to be recombined quickly. The retarding of the chemical reactions reduces heat, preserves electrolyte, and extends battery life
- > If an application calls for daily use where discharge is relatively significant, the GEL battery offers greater reliability for that use.
- > A GEL battery recharges at a lower required voltage, and has lower self-discharge characteristic than other lead-acid constructions
- > Proper charging is the key to prolonging your battery life



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