



# RENEWABLE TRUE HYBRID GEL BATTERY

- Long Cycle Life
- True Hybrid GEL Battery



**LEOCH** AGM-GEL battery is designed based on the high capacity and long life for high temperature area. Using the polymer gel electrolyte. The state of the art internal and external design ensures the battery high reliability and makes the installations quite simple and safe.

## Feature and Benefits

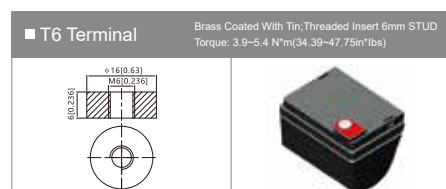
- AGM-Gel Valve-Regulated Lead Acid battery.
- Exceptional Performance in PSoC and fast charging.
- Top terminal design, Flexible design for multiple installation space.
- Flame retardant ABS case (UL94 V-0, optional).
- Comply with EUROBAT, IEC, IEEE, UL, EN, CE, COC standards, etc.
- 80% DOD more than 300 cycles at 25°C (77°F).
- Very low self discharge rate ( $\leq 3\%$ /month at 25°C (77°F)).
- Widely temperature range of using: -20°C~+55°C.
- Completely recyclable



## Specifications

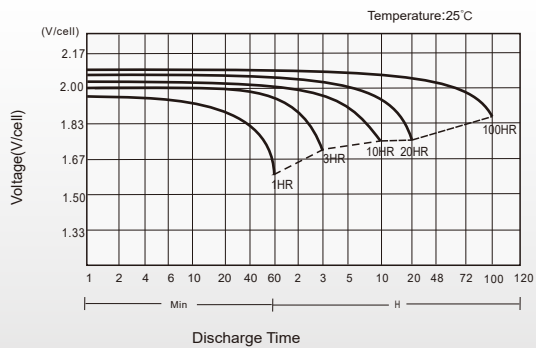
| Models      | Rated Voltage (V) | Rated capacity 10hr@1.80V/cell | Approx dimension |            |             |                   | Weight (Kg) | Terminal Type |
|-------------|-------------------|--------------------------------|------------------|------------|-------------|-------------------|-------------|---------------|
|             |                   |                                | Length (mm)      | Width (mm) | Height (mm) | Total height (mm) |             |               |
| LPGS12-38   | 12                | 38                             | 197              | 165        | 170         | 170               | 12.8        | T6(M6)        |
| LPGS12-65   | 12                | 65                             | 325              | 167        | 174         | 174               | 21.05       | T6(M6)        |
| LPGS12-75   | 12                | 75                             | 260              | 168        | 208         | 214               | 22.5        | T6(M6)        |
| LPGS12-80   | 12                | 80                             | 260              | 168        | 208         | 214               | 24          | T6(M6)        |
| LPGS12-100  | 12                | 100                            | 330              | 173        | 212         | 218               | 30.8        | T11(M8)       |
| LPGS12-120  | 12                | 120                            | 408              | 177        | 225         | 225               | 35.3        | T11(M8)       |
| LPGS12-140  | 12                | 140                            | 483              | 170        | 238.5       | 238.5             | 41.8        | T11(M8)       |
| LPGS12-150  | 12                | 150                            | 483              | 170        | 238.5       | 238.5             | 43.6        | T11(M8)       |
| LPGS12-180  | 12                | 180                            | 532              | 207        | 214         | 220               | 54          | T11(M8)       |
| LPGS12-200  | 12                | 200                            | 522              | 240        | 218         | 224               | 60.3        | T11(M8)       |
| LPGS12-250  | 12                | 250                            | 522              | 268        | 220         | 226               | 73.1        | T11(M8)       |
| LPGS12-100S | 12                | 100                            | 330              | 173        | 212         | 220               | 28.2        | T11(M8)       |
| LPGS12-150S | 12                | 150                            | 483              | 170        | 238.5       | 239               | 41.5        | T11(M8)       |
| LPGS12-200S | 12                | 200                            | 522              | 240        | 218         | 224               | 57.9        | T11(M8)       |

## Terminals

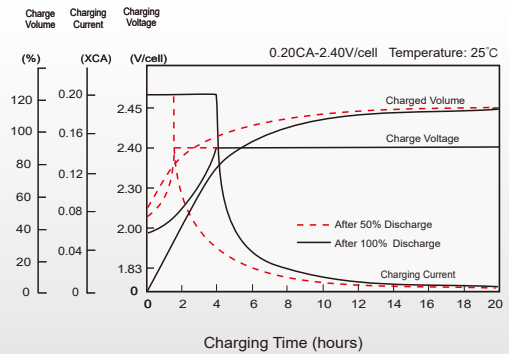


## Performance Characteristics

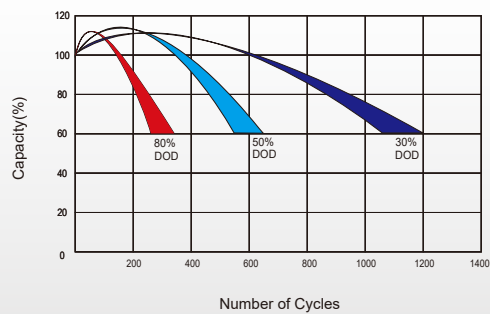
### Discharge Characteristics



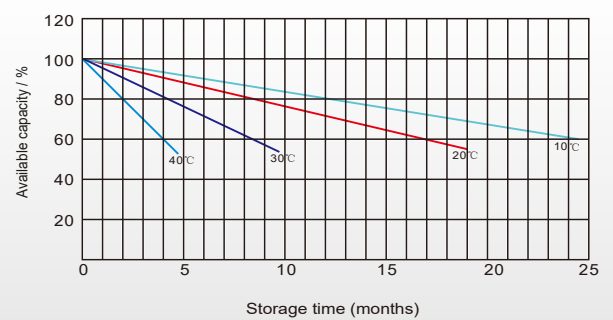
### Charging Characteristics



### Cycle Life in Relation to DoD



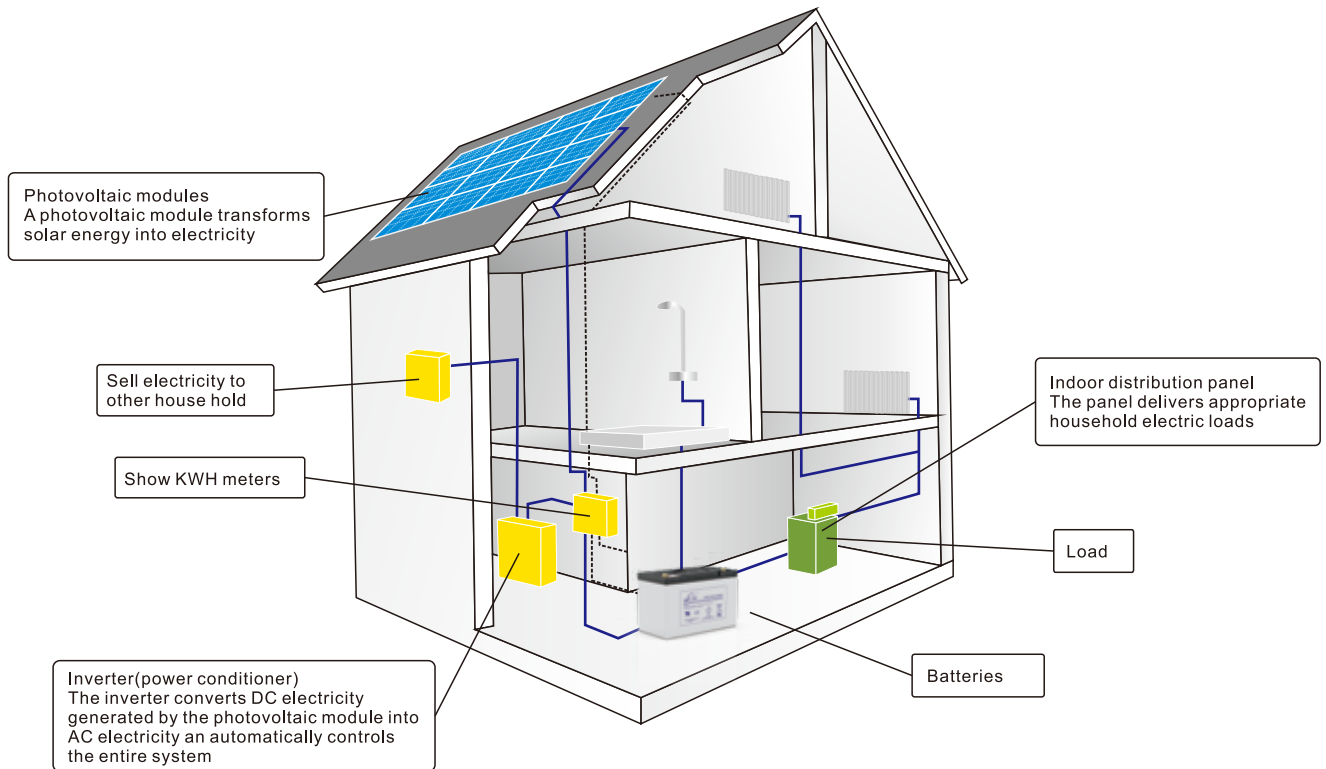
### Self Discharge Characteristics



## Wind & solar hybrid generating system(Graphics)



## Grid-connected Photovoltaic Power Generation System (Graphics)



[www.leoch.com](http://www.leoch.com)



Facebook



LinkedIn

E-mail: [export@leoch.com](mailto:export@leoch.com)

Https: [//www.leoch.com](http://www.leoch.com)