Changhong Gas Recombination Battery

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Ideal Choice of New Backup Power

The new type battery—Changhong Gas Recombination Battery, combined mature pocket battery technology, blended in Changhong new technology, obtained Ultra-low maintenance or even free maintenance characteristics, becomes an ideal choice of new backup power.

Technology Superiority

- Infrequency Water filling, gas recombination is controlled, no failure risk.
- Work temperature ranges from -50°C to 70°C.
- High electrical and physical abuse durability, suitable for various kinds of operation conditions, low maintenance, safe and reliable.
- The electrode uses steel tape as the framework. No react with electrolyte and remain complete during the whole service life.
- The separator is made of polypropylene fiber felt.
- No electrolyte replacement within service life.
- Terminals are made of steel or copper which has excellent electric conductivity and high mechanical strength.
- Battery case is made of high strength, corrosion resisting, translucent engineering plastics.
- No sudden death risk.
- Gas recombination efficiency can reach 85% ~ 95%.
- Ultra high gas recombination efficiency, which reduces 90% water consumption.

Long life with low maintenance

- Within service life, the battery needs water refilling for 1 time at most.
- The cycle life is over 2000 times and the service life can exceed 25 years.

Battery Models

We have Alternative low and medium rate batteries with capacity ranging from 30Ah to 600Ah, and we can also design the batteries according to customers’ demands.

Distinct Superiority

As the backup power solution, high reliability and easy maintenance are required. New generation Changhong Gas Recombination Battery has special advantages as follows:
Application Fields

Electric power
Communication
Rail transit
Metallurgy
Mining industry
Lighting
Backup power
Solar energy and wind energy

Figure 1 Maintenance cycle of KGL series and KGM series battery under different float charging voltage (20°C)

Figure 2 Temperature Effect Curves of KGM Series

Figure 3 Temperature Effect Curves of KGM Series