

'Tianjiao' Gel battery series

Application field

Tianjiao gel series is applies to solar energy (wind) household systems, off-grid power station, solar energy (wind) communication base station, solar energy (wind) lamps, mobile energy storage system, solar traffic lights, solar building system, solar energy(wind) communication base station, power station, power transmission and transformation system, computer protection system, emergency power supply, uninterrupter power supply (UPS) systems, radio and broadcasting stations and automatic control of standby power, and automatic control and other standby power supply, etc.

Executive standards

GB/T 22473-2008 <Lead acid battery used for energy storage>, IEC 61427-2005 <Secondary cells and batteries for photovoltaic energy systems (PVES) -General requirements and methods of test>, GB/T 19638.2—2005<Stationary valve-regulated sealed lead acid battery >, YD/T 1360—2005<Valve-regulated sealed gel battery for communication>.

Integrated performance

By adopting imported polymer microporous separator and high density gel electrolyte, the advantage of TIANJIAO is more outstanding: wider operating temperature range, stronger recovery ability after over-discharging, longer cycle-life at deep discharging.

1. Patent structure: The use of convenient wire type structure for connection (patent No.ZL200720045887.1 and ZL200720037066.3), helps achieve a true underground installation, avoid the pole corrosion.

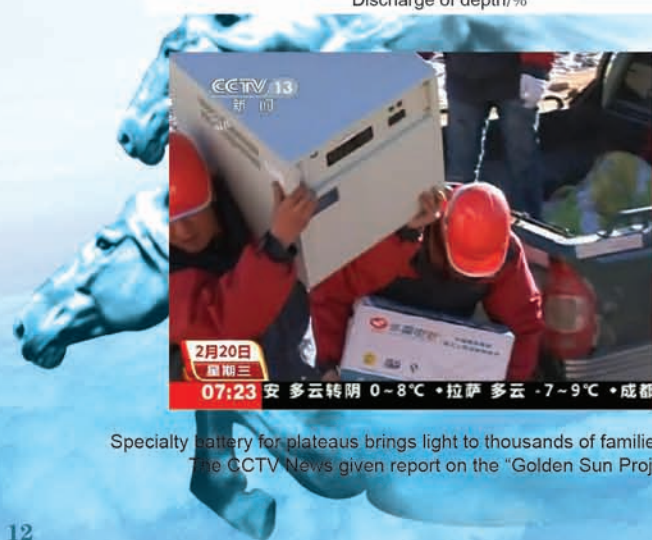
2. Recovery performance: The adoption of high-quality alloys and lead paste formulations makes a low self-discharge rate, good deep discharge tolerance, and strong recover capability.

3. Charging efficiency: The Usage of raw material of low resistance and advanced process makes a small internal resistance and strong small current charge acceptance.

4. High and low temperature tolerance: A wide temperature range of -50~65°C, suitable for indoor and outdoor use in varies environments.

5. Long cycle-life: By using corrosion-resistant alloy and high density of quality nanoscale fumed silica gel electrolyte, the product is corrosion -resistant, free of electrolyte stratification. The design life can reach to 18 years.

6. Environmental-friendly:Cadmium(Cd), which is poisonous and not easy to recycle, is not existing. It is free of acid leakage of gel electrolyte. All guarantee batteries can operate in safety and environmental protection.

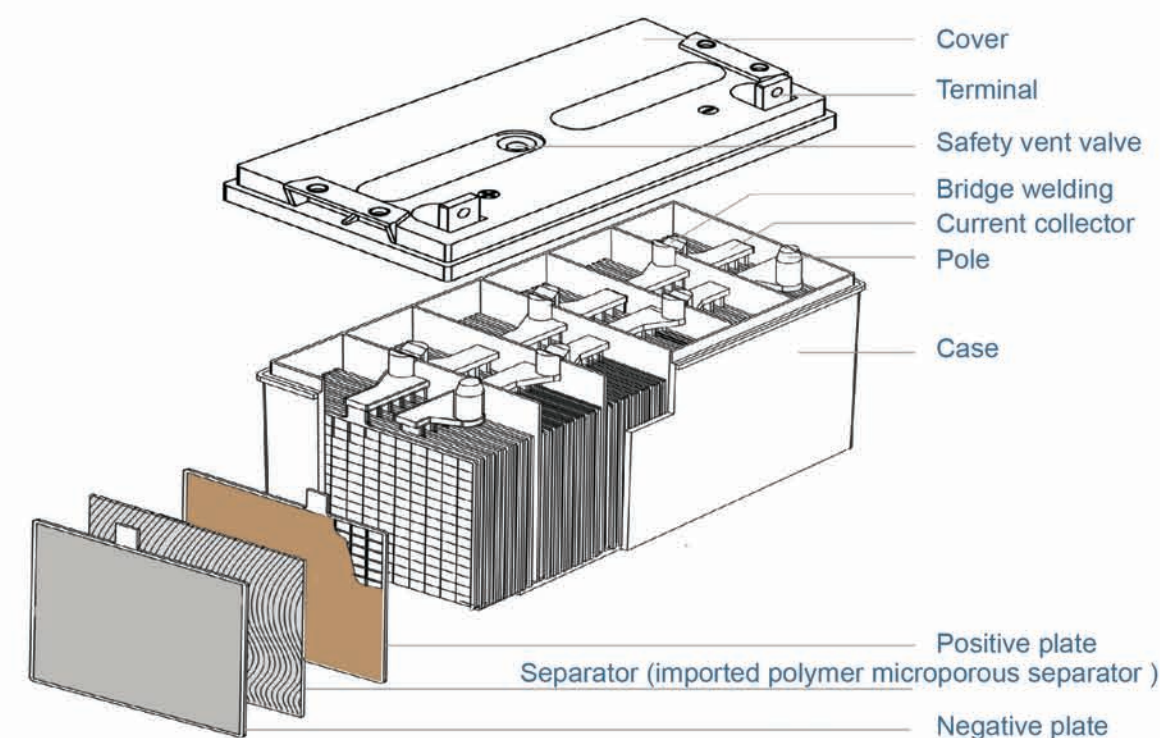


Specialty battery for plateaus brings light to thousands of families in Qinghai. The CCTV News given report on the "Golden Sun Project"

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Product model	Rated voltage(V)	Rated capacity (Ah/10Hr)	Dimension (mm,±3%)			
			length	width	height	total height
2V200Ah	2	200	171	106	330	342
2V300Ah	2	300	171	151	330	342
2V400Ah	2	400	196	171	330	342
2V500Ah	2	500	241	171	330	342
2V600Ah	2	600	285	171	330	342
2V800Ah	2	800	383	171	330	342
2V1000Ah	2	1000	471	171	330	342
2V1500Ah	2	1500	355	337	330	342
2V1600Ah	2	1600	355	337	330	342
2V2000Ah	2	2000	476	337	330	342
2V2200Ah	2	2200	476	337	330	342
2V2900Ah	2	2900	696	340	330	342
2V3000Ah	2	3000	696	340	330	342
2V3600Ah	2	3600	696	340	330	342
12V50Ah	12	50	260	168	212	218
12V65Ah	12	65	260	168	212	218
12V70Ah	12	70	260	168	212	218
12V80Ah	12	80	329	172	214	236
12V90Ah	12	90	329	172	214	236
12V100Ah	12	100	406	174	208	232
12V120Ah	12	120	406	174	208	232
12V150Ah	12	150	483	170	240	240
12V180Ah	12	180	522	240	219	244
12V200Ah	12	200	522	240	219	244
12V220Ah	12	220	520	269	220	245
12V250Ah	12	250	520	269	220	245

Scheme of the battery



Comparison of separators

