

UDC 2V GEL Series



Deep Cycle Gel 2V Batteries

UPBattery UDC 2V series pure GEL battery is with 15-20 years floating design life, equal to UDC2 2V series deep cycle gel batteries, it is ideal for standby or frequent cyclic discharge applications under extreme environments. By adopting thicker grids, high purity 99.997% lead and patented Silicon Gel electrolyte, UDC2V series offers excellent recovery performance after deep discharge under frequent cyclic discharge use, and can deliver 1500 cycles at 50% DOD even work in hot or cold area. Suitable for Solar, CATV, marine, industry, RV and deep discharge UPS, communication, and telecommunication , etc.

Product Features

- This Energy storage battery utilizes gel electrolyte technology. The uniformly distributed gel electrolyte is made by mixing sulfuric acid with silica fume.
- The electrolyte can hold the battery plates securely in an immobile gel.
- Radial grid design offers this power storage device excellent discharge performance.
- Due to 4BS lead paste technology, our deep cycle gel battery provides long lasting service life.
- Employing unique grid alloy, special gel formulation and distinct positive and negative lead paste ratio, the maintenance free battery boasts outstanding deep cycle service performance and over discharge recovery ability.
- Completely manufactured from high purity raw materials, UPBattery deep cycle gel battery has extremely low self discharge.
- Gas recombination technology ensures excellent seal reaction efficiency, thus delivering no pollution such as acid mist to the environment.
- The gel VRLA battery boasts reliable sealing technology which enables security seal performance.

Construction

- UDC 2V series adopts super corrosion-resistant alloy and unique patented grid structure, so can improve the lead plates corrosion-resistant performance in high temperature.
- It adopts special positive negative lead plates ratio and unique nano gel electrolyte, so can improve battery over potential of hydrogen evolution effectively and high reduce the water loss in high temperature environment.
- Its paste formula is added anti-high temperature expanding agent, so can work continuously in high temperature environment.
- UDC 2V series adopts patented gel electrolyte by nano-meter fumed silica, which advantage is high heat capacity and excellent heat release performance, can avoid the thermal runaway problem of normal battery, and discharge capacity can increase by over 30% in low temperature area. So UDC 2V battery can work very well in severe environment between -40 C-65 C.
- Its formula is added special super expanding agent which ensure battery discharge capacity is higher than other normal battery when work in low temperature, thus even UDC 2V battery work in -40 *C area, it can work stable and continuously.

Standards

- IEC 60896-21/22:2004;
- IEC 61247-2014;
- DIN 43539-t5:1984;
- DIN 40742-1999;
- UB/T 22473-2008;
- Passed ISO9001,ISO4001
- OHSA18001,CE,UL and Golden Sun Certification

Applications

- Communication equipment,
- Telecommunication control equipment;
- Electric power systems;
- Golf carts; Caravan; Power station; Nuclear power station;
- Solar power and wind power systems;
- UPS and inverters



Main Parameters Table

Model	Nominal Voltage (V)	Capacity (Ah)	Dimension (mm)				Net Weight	Gross Weight	Terminal
			Length	Width	Height	Total Height	kgs	kgs	
UDC2-200G	2	200/10UHR	170	106	330	367	13.2	13.4	M8
UDC2-300G	2	300/10UHR	171	151	330	365	18.7	18.9	M8
UDC2-400G	2	400/10UHR	211	176	329	367	26.3	26.5	M8
UDC2-500G	2	500/10UHR	241	172	330	364	31.2	31.4	M8
UDC2-600G	2	600/10UHR	301	175	331	366	37.9	38.2	M8
UDC2-800G	2	800/10UHR	410	176	330	365	51.8	52.1	M8
UDC2-1000G	2	1000/10UHR	475	175	328	365	62.5	62.8	M8
UDC2-1200G	2	1200/10UHR	472	172	338	355	69	69.3	M8
UDC2-1500G	2	1500/10UHR	401	351	342	378	97	97.5	M8
UDC2-2000G	2	2000/10UHR	491	351	343	383	130.5	131	M8
UDC2-2500G	2	2500/10UHR	712	353	341	382	180.5	181	M8
UDC2-3000G	2	3000/10UHR	712	353	341	382	190.5	191	M8

