

UB GEL Series



Durable Gel VRLA Batteries

UPBattery VRLA standard GEL battery is designed for frequent cyclic charge and discharge applications under extreme environments. By combining the newly developed Nano Silicone Gel electrolyte with high density paste, the Solar range offers high recharge efficiency at very low charge current. The acid stratification is highly reduced by adding Nano Gel.

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, UPBatteryVRLA standard 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

Construction

- Container/Cover: Made of UL94HB and UL 94-OABS Plastic, fire resistance and water proof.
- 99.997% pure new lead NEVER use recycle lead.
- Negative Plates: Use the special PbCa alloy grids, optimize the recombination efficiency and less gassing.
- High quality AGM separator: Absord acid electrolyte, the best retainer mat for VRLA batteries.
- Positive plates: PbCa grids minimize corrosion and prolong life.
- Terminal post: Copper or lead material with maximum conductivity, enhance the high current rapidly.
- Vent Valve: Allows the release of the excess gas automatically for safety.
- TUHRee steps of Seal procedures: Ensure battery completely sealed with safety, never leakage and volatile acid, longer life.
- Silicone Nano GEL electrolyte: Import from Germany Degussy famous brand silicone.

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

- Electric Powered Vehicles
- Wheel Chairs
- Electric Powered Toys
- Medical Equipment
- Solar and Wind
- Golf Cars and Buggies
- Power Tools
- Control System
- UPS systems
- Emergency systems



Main Parameters Table

Model	Nominal Voltage (V)	Capacity (Ah)	Dimension (mm)				Net Weight kgs	Gross Weight kgs	Terminal
			Length	Width	Height	Total Height			
UB12-33G	12	33/10UHR	196	130	155	167	10.2	10.5	M6
UB12-38G	12	38/10UHR	198	166	172	172	12.5	12.8	M6
UB12-45G	12	45/10UHR	198	166	174	174	13.2	13.5	M6
UB12-50G	12	50/10UHR	229	138	208	212	15.7	16.2	M6
UB12-55G	12	55/10UHR	229	138	208	212	16.4	16.9	M6
UB12-65G	12	65/10UHR	350	167	178	178	20.8	21.3	M6
UB12-70G	12	70/10UHR	350	167	178	178	21.8	22.3	M6
UB12-75G	12	75/10UHR	260	169	211	215	22.1	22.6	M6
UB12-80G	12	80/10UHR	260	169	211	215	23.8	24.3	M6
UB12-85AG	12	85/10UHR	331	174	214	219	25.3	25.8	M6
UB12-90G	12	90/10UHR	307	169	211	216	27	27.5	M6
UB12-100GC	12	100/20UHR	307	169	211	216	27	27.5	M6
UB12-100UB	12	100/10UHR	331	174	214	219	28.3	28.8	M8
UB12-100GA	12	100/10UHR	331	174	214	219	29.5	30	M8
UB12-120G	12	120/20UHR	407	173	210	233	33.5	34	M8
UB12-120GA	12	120/10UHR	407	173	210	233	34.5	35	M8
UB12-135G	12	135/10UHR	341	173	283	288	41.5	42	M8
UB12-150UB	12	150/20UHR	484	171	241	241	41.5	42	M8
UB12-150GA	12	150/10UHR	484	171	241	241	44.5	45	M8
UB12-160G	12	160/10UHR	532	206	216	222	49	49.5	M8
UB12-180G	12	180/10UHR	532	206	216	222	53.5	54	M8
UB12-200UB	12	200/20UHR	522	240	219	225	55.3	56.8	M8
UB12-200GA	12	200/10UHR	522	240	219	225	58.7	59.2	M8
UB12-230G	12	230/10UHR	522	240	219	225	61.5	62	M8
UB12-250G	12	250/10UHR	520	268	220	225	70.5	71	M8
UB12-300G	12	300/10UHR	520	268	220	226	77.5	78	M8