

STARMAX



AUTOMOTIVE BATTERIES

ELECTRIC FORKLIFT BATTERY

The world's leading battery brand



www.starmaxbatteries.com

Application

The electric forklift battery is suitable for electric traction and material handling equipment such as electric forklifts, electric carriers, and etc.



Special Features

- ✔ Excellent product performance, C5 capacity surplus can exceed by 8%~10% of rated capacity.
- ✔ Low self-discharge rate, high charge retention capability which can reach more than 95% of the rated capacity.
- ✔ High rate discharge performance is increased by 15% with tin-coated copper terminals.
- ✔ Good cyclic durability which can reach 1300-1500 cycles under 75% DOD.

SPECIFICATIONS

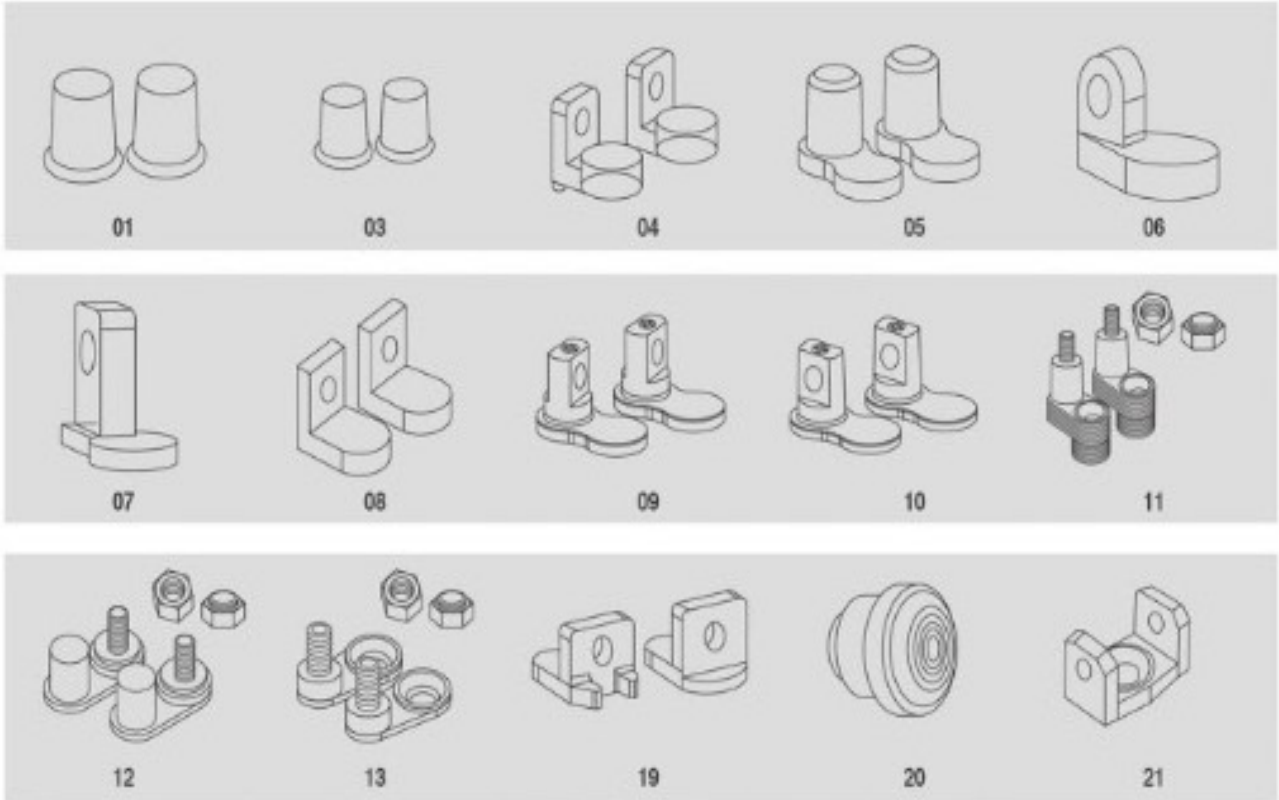
Type	Voltage (V)	Capacity (C5 Ah)	Dimensions(mm)			
			L	W	H	T.H
2PzS110	2	110	47	198	360	386
3PzS165	2	165	65	198	360	386
4PzS220	2	220	83	198	360	386
5PzS275	2	275	101	198	360	386
6PzS330	2	330	119	198	360	386
7PzS385	2	385	137	198	360	386
8PzS440	2	440	155	198	360	386
9PzS495	2	495	173	198	360	386

Type	Voltage (V)	Capacity (C5 Ah)	Dimensions(mm)			
			L	W	H	T.H
10PzS550	2	550	191	198	360	386
2PzS140	2	140	47	198	431	457
3PzS210	2	210	65	198	431	457
4PzS280	2	280	83	198	431	457
5PzS350	2	350	101	198	431	457
6PzS420	2	420	119	198	431	457
7PzS490	2	490	137	198	431	457
8PzS560	2	560	155	198	431	457
9PzS630	2	630	173	198	431	457
10PzS700	2	700	191	198	431	457
2PzS160	2	160	47	198	455	481
3PzS240	2	240	65	198	455	481
4PzS320	2	320	83	198	455	481
5PzS400	2	400	101	198	455	481
6PzS480	2	480	119	198	455	481
7PzS560	2	560	137	198	455	481
8PzS640	2	640	155	198	455	481
9PzS720	2	720	173	198	455	481
10PzS800	2	800	191	198	455	521
2PzS180	2	180	47	198	495	521
3PzS270	2	270	65	198	495	521
4PzS360	2	360	83	198	495	521
5PzS450	2	450	101	198	495	521
6PzS540	2	540	119	198	495	521
7PzS630	2	630	137	198	495	521
8PzS720	2	720	155	198	495	521
9PzS810	2	810	173	198	495	521
10PzS900	2	900	191	198	495	521
2PzS200	2	200	47	198	548	574
3PzS300	2	300	65	198	548	574
4PzS400	2	400	83	198	548	574
5PzS500	2	500	101	198	548	574
6PzS600	2	600	119	198	548	574

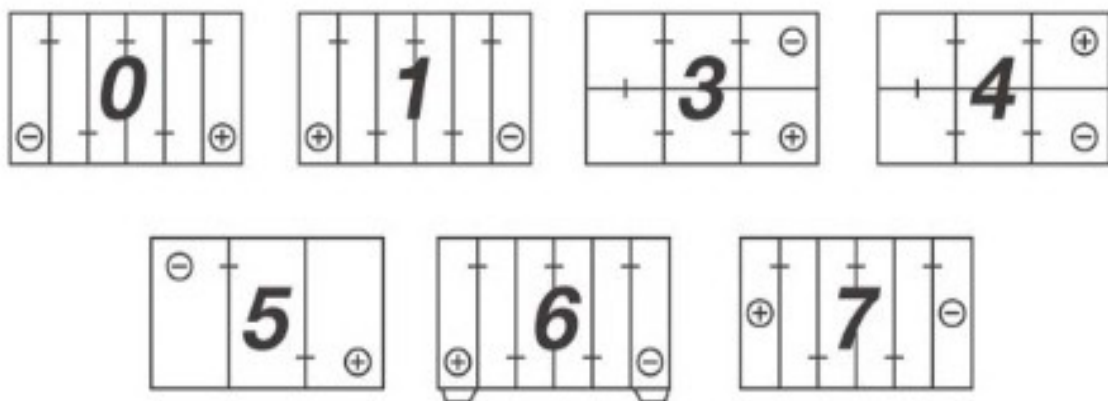
Type	Voltage (V)	Capacity (C5 Ah)	Dimensions(mm)			
			L	W	H	T.H
7PzS700	2	700	137	198	548	574
8PzS800	2	8100	155	198	548	574
9PzS900	2	900	173	198	548	574
10PzS1000	2	1000	191	198	548	574
2PzS220	2	220	47	198	570	596
3PzS330	2	330	65	198	570	596
4PzS440	2	440	83	198	570	596
5PzS550	2	550	101	198	570	596
6PzS660	2	660	119	198	570	596
7PzS770	2	770	137	198	570	596
8PzS880	2	880	155	198	570	596
9PzS990	2	990	173	198	570	596
10PzS1100	2	1100	191	198	570	596
2PzS240	2	240	47	198	625	651
3PzS360	2	360	65	198	625	651
4PzS480	2	480	83	198	625	651
5PzS600	2	600	101	198	625	651
6PzS720	2	720	119	198	625	651
7PzS840	2	840	137	198	625	651
8PzS960	2	960	155	198	625	651
9PzS1080	2	1080	173	198	625	651
10PzS1200	2	1200	191	198	625	651
2PzS280	2	280	47	198	701	727
3PzS420	2	420	65	198	701	727
4PzS560	2	560	83	198	701	727
5PzS700	2	700	101	198	701	727
6PzS840	2	840	119	198	701	727
7PzS980	2	980	137	198	701	727
8PzS1120	2	1120	155	198	701	727
9PzS1260	2	1260	173	198	701	727
10PzS1400	2	1400	191	198	701	727
2PzS300	2	300	47	198	727	753
3PzS450	2	450	65	198	727	753

Type	Voltage (V)	Capacity (C5 Ah)	Dimensions(mm)			
			L	W	H	T.H
4PzS600	2	600	83	198	727	753
5PzS750	2	750	101	198	727	753
6PzS900	2	900	119	198	727	753
7PzS1050	2	1050	137	198	727	753
8PzS1200	2	1200	155	198	727	753
9PzS1350	2	1350	173	198	727	753
10PzS1500	2	1500	191	198	727	753






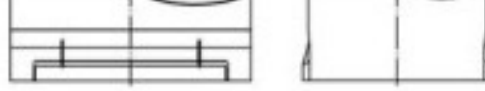
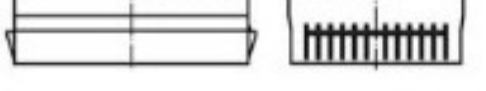
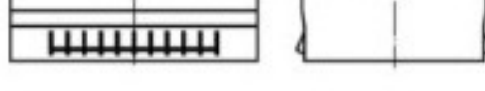

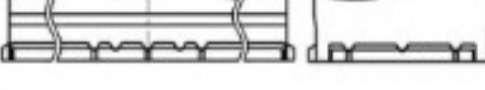
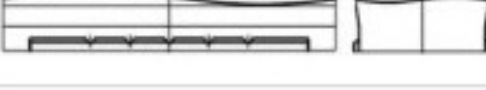
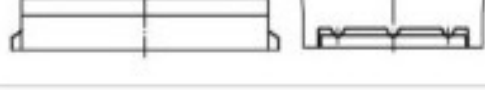
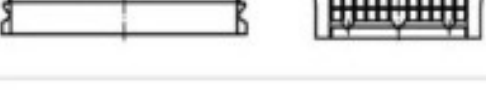





TERMINAL



LAYOUT



HOLD DOWN

B00		B01	
B02		B03	
B04		B05	
B06		B07	
B08		B09	
B10		B11	
B12		B13	
B14		B15	
B16		B17	

BATTERY CARE AND MAINTENANCE



- The vent hole on both sides of the battery cover or on the vent plug should be checked regularly. Keep the holes from being blocked by dust and ice water to avoid poor exhaust, shell deformation and burst
- When charging batteries, work in a well-ventilated area. Always turn battery charger off before disconnecting battery
- Battery usage should be discontinued if the battery terminals are burnt.
- We recommend constant voltage charging instead of constant current charging for the battery



- When testing battery performance, start with reserve capacity
- When servicing a sealed maintenance free (SMF) battery, check the State of Charge Indicator. This gives you a snap shot of the battery's condition and whether the battery needs to be charged or replaced. The vehicle may still start the engine although the indicator outlines to replace the battery. If the State of Charge Indicator advises 'Replace Battery' it is important that the battery is replaced as the electrolyte levels may be below the plates which can lead to an internal explosion



- If you have a maintainable battery, it is important to check if the battery has sufficient electrolyte covering the battery plates. If topping up is required, do not over fill as the fluid levels will rise when the battery is fully charged and may overflow. Top up using distilled or demineralized water and never fill with sulphuric acid



- Check the battery's state of charge. Most batteries have a State of Charge Indicator on top of the battery that will give you an on the spot diagnosis of the battery condition. However, a more reliable way to check is with a voltmeter to determine the stabilized voltage or if the vent caps are removable a hydrometer to determine the specific gravity (SG) of the electrolyte



- Usually it takes 3 to 5 seconds to start a car at first time. The restarting should be at intervals of more than 15 seconds. If the car fails to be start after many times, check if there is any damage on the battery or the circuit. This situation is common in winter
- For batteries used in seasonal applications and stored long term, fully recharge the battery prior to storing. Check the state of charge or voltage regularly. Should the voltage drop below 12.5V, recharge the battery. It is important to check the battery completely before reconnecting to electrical devices
- Keep the battery top clean and dry. Apply either petroleum jelly or Vaseline to cable clamps and terminals for proper lubrication and added protection
- Inspect the battery case for obvious signs of physical damage or warpage. This usually indicates the battery has been overheated or has been overcharged

WARNING

01

Battery acid can cause burns. Please keep away from children. Suitable hand, eye and face protection and protective clothing must be worn. If in the eyes, hold eyelids apart and flush the eye continuously with running water or contact a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin or hair with running water.

02

Keep away from heat source and open fire. Keep ventilated when charging or using batteries to avoid burst hurt.

03

Do not open the battery to avoid explosion.

04

Do not use metal tools to connect positive and negative terminal, otherwise the battery will short circuit and cause fire or explosion.

05

Do not Discard the batteries. Insulate the +ve and -ve Terminals with insulating tape and take them to a recycling facility.

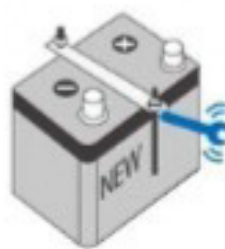
HOW TO REPLACE BATTERY



Switch off the engine and keep sparks, flames, cigarettes away from battery at all times before removing the old battery.



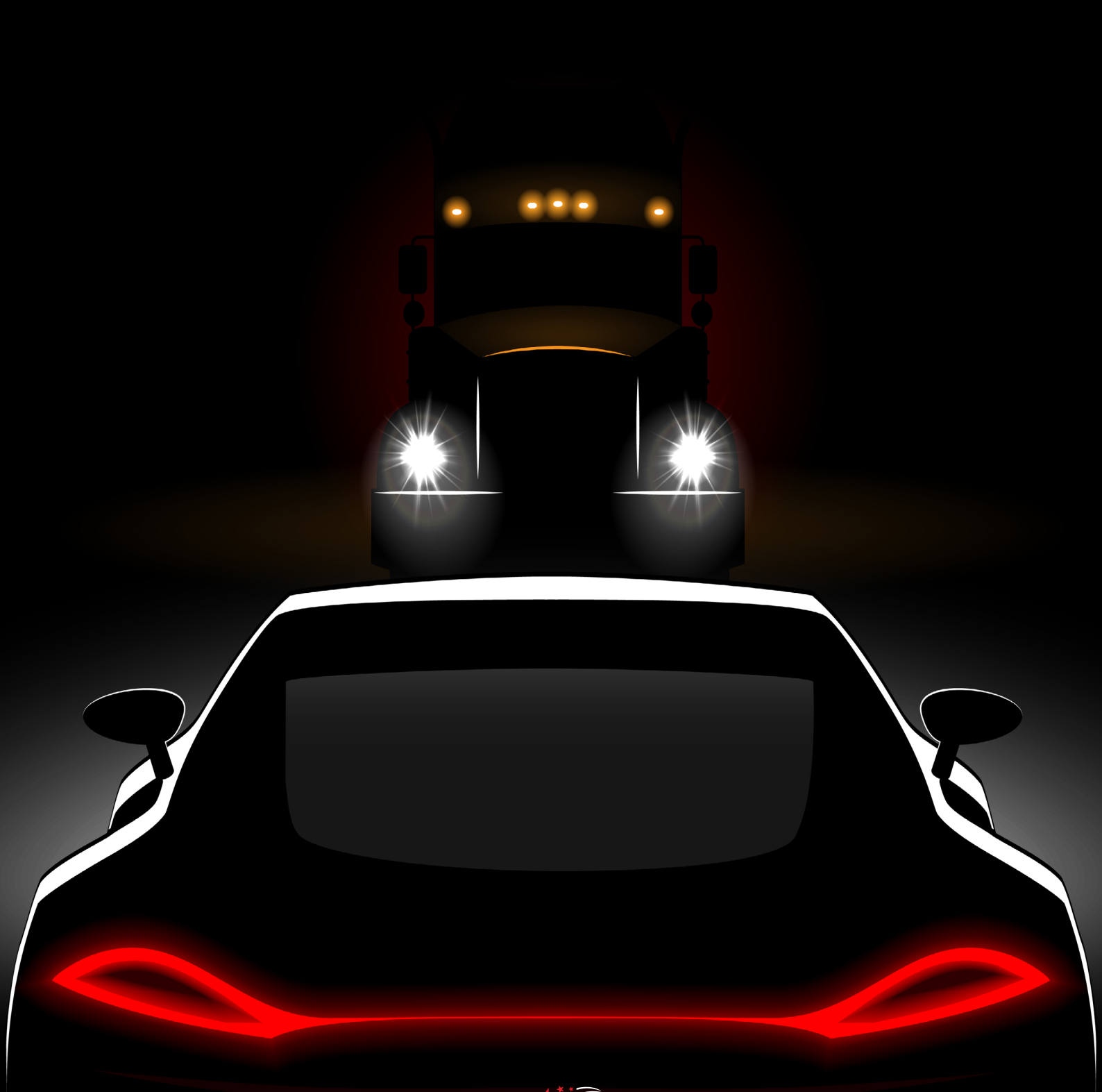
Disconnect the negative terminal first and avoid short-circuit caused by tools when removing old battery.



Clean corroded parts in tray and cable clamps before installation of new battery.



Connect the positive terminal first and check the terminal clamps for tight fit when installing new battery.



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