Osaka Tall Tubular Battery Price in Pakistan, Specifications and TR 1000 Guide

The **Osaka tall tubular battery price in Pakistan** depends on the battery model, capacity, seller, and current market conditions. Osaka offers several tubular battery models for UPS, inverter, and solar applications, with different capacities and physical sizes. These batteries are commonly considered for backup power because tubular technology is designed for repeated charging and discharging.

When checking **Osaka tubular battery specifications**, buyers should look at important details such as voltage, amp-hour capacity, dimensions, weight, battery type, and expected backup time. According to Osaka's official technical data, its tubular range includes different 12V models, including TA1000, TA1200, TA1500, TA1800, TA2500, and TA3000. The specifications vary considerably between models, so selecting a battery should be based on the required backup load.

The **Osaka tubular battery TR 1000 price in Pakistan** can also vary according to the exact model naming used by a seller. Osaka's official technical documentation lists the TA1000 as a 12V tubular battery with an 80Ah capacity at the 10-hour rate. Recent Pakistani price listings have placed TA1000 prices at different levels, showing why buyers should confirm the latest dealer price before purchasing.

What Is an Osaka Tubular Battery?

Osaka tubular batteries are deep-cycle batteries commonly used for backup power applications. They are designed for systems where the battery may be charged and discharged regularly, such as solar power systems, UPS units, and inverters.

Tubular battery technology uses tubular positive plates, which are designed to provide durability during repeated cycling. Osaka's product information also describes features such as tubular positive plates, thick negative plates, low-resistance separators, and float indicators for checking electrolyte levels. The company lists applications including UPS/inverters, solar and wind energy systems, telecommunications, emergency lighting, and security systems.

For homes and small businesses in Pakistan, tubular batteries can be useful where electricity interruptions are common. The actual backup time, however, depends on the battery capacity, condition, inverter efficiency, connected load, and depth of discharge.

Osaka Tall Tubular Battery Price in Pakistan

The price of an Osaka tall tubular battery is not fixed throughout Pakistan. It can change according to the model, capacity, dealer, location, availability, and market conditions.

For example, recent Pakistani price information has listed several Osaka tubular models at different prices. One September 2026 market list gives TA1000 around Rs. 29,000, TA1200 around Rs. 30,000, TA1500 around Rs. 35,500, TA1800 around Rs. 37,500, TA2000 around Rs. 43,000, and TA3000 around Rs. 62,000. Other dealers report different prices, demonstrating that customers should check the current rate before buying.

Another September 2026 Pakistani listing shows TA1000 at approximately Rs. 35,634, TA1500 at Rs. 43,778, TA1800 at Rs. 52,658, TA2500 at Rs. 68,027, and TA3500 at Rs. 80,653. This difference between published lists can occur because prices change over time and retailers may use different product ranges or naming conventions.

Therefore, instead of relying on one online price, buyers should confirm the model number, capacity, manufacturing date, warranty terms, and final dealer price.

Osaka TA1000 Battery Specifications

The Osaka TA1000 is one of the smaller models in Osaka's tubular range. According to Osaka's official technical data sheet, the TA1000 has a nominal voltage of 12V and a 10-hour capacity of 80Ah.

Its official dimensions are approximately:

- **Voltage:** 12V
- **10-hour capacity:** 80Ah
- **Length:** 347 mm
- **Width:** 175 mm
- **Height:** 265 mm
- **Total height:** 295 mm
- **Approximate weight:** 30.5 kg
- **400-watt backup time:** approximately 1 hour 5 minutes under the stated test conditions

The official specification also shows that the TA1000 belongs to the Jumbo Tubular category. These specifications are useful when checking whether the battery will physically fit into a particular battery cabinet or installation area.

It is important to remember that the stated backup time is a test value and should not be treated as a guaranteed household backup time. Actual performance changes with load and battery condition.

Osaka Tubular Battery Specifications

Osaka has a broad range of tubular batteries, allowing users to select different capacities according to their backup requirements.

The official technical sheet lists the following examples:

Model	Voltage	10-Hour Capacity	Approx. Weight
TA1000	12V	80Ah	30.5 kg
TA1200	12V	125Ah	37.7 kg
TA1500	12V	140Ah	46.9 kg
TA1700	12V	170Ah	53.5 kg
TA2000	12V	230Ah	61.5 kg
TA1800	12V	185Ah	54.9 kg
TA2500	12V	230Ah	63.5 kg
TA3000	12V	260Ah	72.7 kg

These figures come from Osaka's official technical documentation. The company also provides dimensions and model-specific backup information.

Osaka Tall Tubular Models

The tall tubular section of Osaka's range includes models such as TA1800, TA2500, and TA3000. These batteries offer higher capacities than the smaller TA1000, making them suitable for applications that require greater stored energy.

The official data lists TA1800 with a 12V rating and 185Ah capacity at the 10-hour rate. It has approximate dimensions of 502 × 190 × 373 mm, with a total height of 416 mm and an approximate weight of 54.9 kg.

The TA2500 is listed at 230Ah and weighs approximately 63.5 kg, while the TA3000 is listed at 260Ah and weighs approximately 72.7 kg. Their larger capacities also provide longer stated backup times under Osaka's test conditions.

Osaka Battery for Solar Systems

Tubular batteries are widely used with solar systems because solar setups require batteries that can handle regular charging and discharging. Osaka's own product catalogue lists solar and wind energy systems among the applications for its deep-cycle tubular range.

A battery used with solar panels stores electrical energy generated during the day and makes that stored energy available when solar production is low or unavailable. The number of batteries required depends on the inverter voltage, desired backup time, daily energy consumption, and battery capacity.

For example, a small backup setup may require a different battery configuration from a household running several appliances for many hours. It is therefore important to calculate the load before selecting a battery.

Backup Time and Battery Capacity

Battery capacity is one of the most important specifications when comparing Osaka tubular batteries. A higher Ah rating generally means more stored capacity, but backup time cannot be determined from Ah alone.

The connected load also matters. A battery supplying a smaller load can provide longer backup than the same battery supplying a larger load. Inverter efficiency, battery age, temperature, charging condition, and depth of discharge can also affect actual performance.

For this reason, the backup figures published by manufacturers should be treated as reference values under specified testing conditions rather than guaranteed real-world results.

Maintenance of Tubular Batteries

Traditional flooded tubular batteries require appropriate maintenance. Electrolyte levels should be monitored according to the manufacturer's instructions, and only the recommended type of water should be used when topping up.

Battery terminals should also be kept clean and properly connected. The installation area should be appropriate for the battery type and provide suitable ventilation. Users should follow the manufacturer's safety and maintenance instructions rather than relying on general advice.

Proper maintenance can help a battery perform consistently and can reduce problems caused by poor installation or incorrect charging.

How to Choose the Right Osaka Battery

Choosing an Osaka battery should begin with the required load. First, calculate which appliances or devices need backup and approximately how much power they consume.

Next, determine how long backup is required. A user who needs short backup for lights and fans may have different requirements from someone who wants several hours of backup for a larger household load.

The inverter voltage is another important consideration. A 12V inverter generally uses a different battery configuration from a 24V or 48V system. Battery capacity and the number of batteries should therefore be selected together with the inverter specifications.

Physical space is also important. Larger tall tubular batteries are heavier and require more installation space. Buyers should check the battery dimensions before purchasing.