

No. 1314 Zhongyi Bus of Hangzhou Public Transportation Group

Recommended enterprise: The Third Automobile Branch of Hangzhou Public Transportation Group

Line Name: No. 1314 Zhongyi Bus

Application model: BYD BEV bus



No. 1314 Zhongyi Bus is a special bus line symbolizing the friendly relationship between Hangzhou and Verona, Italy. This bus line connects Wansong Academy, the Broken Bridge, Su Xiaoxiao Tomb, Qiushui Mountain Villa and other places with love stories around the West Lake. This bus line is the first domestic love themed bus line, with a total length of 35.7 kilometers and an average daily passenger flow of about 1,030 person times.

The body and interior of No. 1314 Zhongyi Bus are mainly in red, white and green, and the red and green elements represent China and Italy, respectively. A bridge silhouette on the bus body connects the two representative colors, symbolizing the continuous friendship between the two countries. There are exclusive pink bus stop signs, the classic lines of "The Butterfly Lovers" and "Romeo and Juliet" on the hand grips in the bus, the sweet words printed on the back of the seats, and the carefully built "Sino-Italian Wall" in the bus ... The bus line is dotted with love elements everywhere, and the stop announcement in the bus is broadcast in Chinese, Italian and English. A humanistic love story will be broadcast at each bus stop.



BYD's 12m battery-electric bus is used for No.314 Zhongyi Bus Line. The bus have large capacity, high power and better lighting as well as low floor, low energy consumption and low emission. The e-bus is produced with high-strength steel frame, lightweight design, and air suspension, front and rear brakes, ABS, full-load body structure, front and rear double-swinging doors, integrated air conditioner, electric defrosting device, CAN bus line, high-quality instrument and electrical connector, and vehicle-mounted service facilities, etc., which greatly improve its safety, economy and comfort. According to the calculation, the electricity consumption by the bus on this line is about 113 kWh per hundred kilometers, and the operating cost is lower than that of fuel bus by about 72 yuan. According to the feedback from the drivers, this model of bus is easy to drive and operate and has the advantages of good acceleration performance, low driving noise, easy entry for passengers, reasonable layout of instrument buttons, easy access, convenient seat adjustment, etc., and higher driving comfort compared with previous mode.

In terms of operation, the Third Automobile Branch of Hangzhou Public Transportation Group currently has 335 fixed charging piles in DC and AC modes, thus meeting charge requirements of new energy buses of various lines and ensure the smooth operation of buses. At the same time, they also set up a leading group to hold an "Energy-saving Competition" aiming to improve drivers energy-saving skills, which helped reduce energy consumption of buses by 1.5% per kilometer on the original basis. In addition, the Third Automobile Branch also strengthened the requirement of "three-preset" indicators and the consistency management of bus types on different operating lines. According to factors such as season, road conditions,

bus types and others, the Third Automobile Branch rationally adjusts the energy consumption indicators of lines and bus types and analyzes the energy consumption of each bus every month. In addition, it screens out high-consumption buses according to the 100-kilometer energy consumption by models and lines, and assists the drivers concerned to improve energy consumption level. According to the energy consumption index and characteristics of different bus types, it scientifically and rationally allocates bus types for different lines, so that at most 2 bus types will be used for one bus line. Moreover, it constantly improves various account statements to provide standardized, timely and accurate statements... The Third Automobile Branch takes multiple measures at the same time, follows the policy and adopts scientific management to ensure the high-quality operation of No.1314 Zhongyi Bus and achieve the expected goal of "saving energy, reducing emission, controlling cost and creating value".