

Variable Frequency Barrier Gate



The variable frequency barrier gate adopts the VI generation gate high pressure control system developed and produced by our company's patent, combines two different movement core structures to form a product with high cost performance. It adopts three-phase ac motor + turbo-worm reducer, and cooperates with the movement core structure of four connecting rods to achieve the open/close the arm.

Product Configuration

Work voltage	220VAC
Power consumption	≤150W
Running noise	≤60dB
MCBF	≥10000H
Life time	≥5million
Level of protection	Ip54
Open/closing speed	1.7-3s(3.5m, straight/folding) Others 3-6s
Arm length	Straight arm 0-6m/folding arm 0-5m (each 2.5m)/fencing arm 4m
Open barrier	Low level signal 200ms
Left/right synchro Angle error	≤3°
Work temperature	-25°C~70°C
Work humidity	≤95% no condensing

Functional Characteristics

Three-phase AC motor replaces single-phase AC motor with higher energy efficiency ratio and better cost performance;

Unique left and right folio synchronous design ensures that the synchronization Angle difference of folio products is less than 3°

Unique load release design to ensure energy release during motor braking;

Three-in-one controller can achieve the automatic matching of arm length and speed

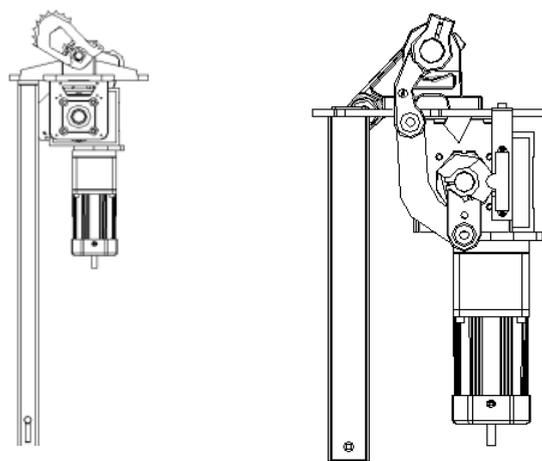
Equipped with motor heating function, it is better used in low-temperature areas

Self-learning function, more accurate operating control;

Rich input-output interfaces, including TCP/IP interface and multi-channel I/O output

Integrate with the bollard, can achieve stronger control

The control system is equipped with remote diagnosis and upgrade function , more convenient for system maintenance



The variable frequency barrier gate movement adopts four-link structure. When the motor rotates at a constant speed, the angular velocity of the spindle is a sinusoidal curve. In this way, the movement itself has a good acceleration and deceleration performance, and no sharp acceleration and deceleration will occur in the horizontal and vertical positions

More than 70% efficiency conversion



CA-VF0131

300mm*320mm*1020mm

Compared with the standard ac motor barrier gate, The variable frequency barrier gate mainly improves its power factor. The efficiency of the product is at least 50% higher than that of the standard barrier gate. As a result, the energy efficiency ratio of the product is greatly improved, and the calorific value of the product is greatly reduced, so the high temperature adaptability of the product is better.



CA-VF0150

320mm*320mm*1069mm



CA-VF0160

300mm*350mm*1060mm

