

Smart-III Control System

Optimax 优迈

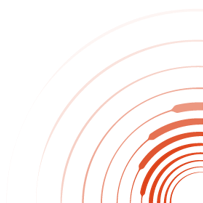


| | |
|-------|----------|
| Power | 7.5~37kW |
|-------|----------|

| | |
|------|-----------------------------|
| Type | Standard Passenger Elevator |
|------|-----------------------------|

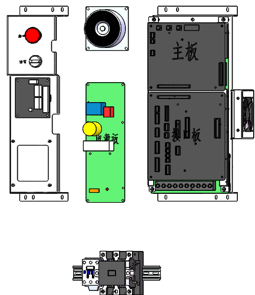
| | |
|------|---------------|
| Size | 700*400*180mm |
|------|---------------|

**Support standing/wall-mounted
two installation methods**



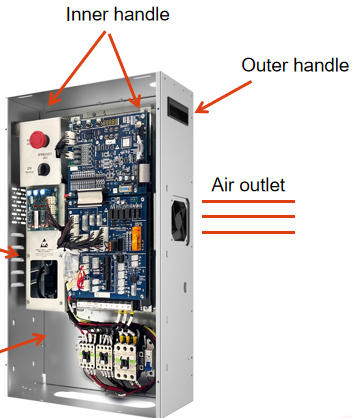
Modular Design

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Reserve 2:
Function expansion
board

Reserve 1:
NB/4G Gateway



Compared with traditional control cabinet

50% smaller size! 60% reduction in parts count! The layout is cleaner!

Core Technology Upgrade

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Increased hardware computing power

ARM main frequency \uparrow 30%

DSP computing power \uparrow 50%,

Memory \uparrow 100%

Full floating point operations,

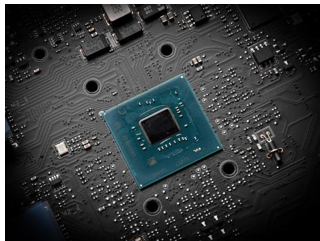
Equipped with hardware trigonometric function module

Software algorithm

Adaptive Dead Zone Compensation Algorithm

Double precision current control algorithm

(Function: noise and vibration suppression)



Low Noise Technology:

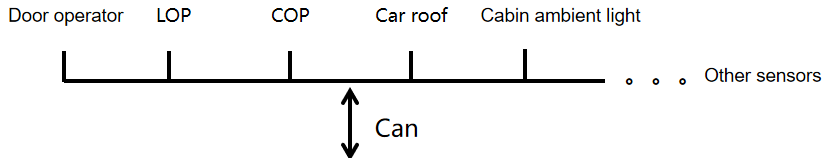
TUV certified SIL3 STO/SBC technology

Quiet Fan Control

OTA System-wide OTA

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(Refer to Tesla, over-the-air air download technology)



Get through the physical link

For elevator maintenance

- 1. Remote download program for all components
- 2. Upload and download parameters of all components

Smart
Control System



Self-made IoT platform

To passengers

- All components of the whole system are connected to expand product applications
- For example: according to the festival, make different atmosphere lights,
- According to the weather adaptive closing time, voice broadcast, etc.



1. Standard RSL, support system-wide CAN
2. Support absolute position system
3. Support NB, Cat1 (with voice) IoT, Bluetooth server
4. Support SIL3 STO
5. Support system-wide program upgrade of a single OMU
6. Programmable re-leveling board certified by PESSRAL