



# **GD350 Series High Performance & Multi-functional Inverter Presentation**

## Brief introduction

- ◆ GD350 is a high performance multi-functional inverter, relying on the latest special processor for motor control and adopting the international leading vector control technology, which can realize high performance and high precision motor control.
- ◆ Intensify the ability of expansion to meet the individual needs of customers easily.
- ◆ Ease of use, can meet a variety of manipulation needs.
- ◆ Support speed, torque and position control, can be widely used in synchronous and asynchronous motor control.
- ◆ Standard built-in Safety Torque OFF (STO) function, optimized control algorithm, higher reliability.

**Power range : 380VAC  
1.5~500kw**



# Product appearance

Plastic structure  
Power : 1.5~75kw



# Product appearance

Sheet metal structure  
Power : 90~500kw



# Applications

**SM**

**Screw pumping units, pumps, compressors, hoisting, chemical fiber equipment, plastic machinery, machine tools, woodworking machinery, etc.**

**Textile**

**Blowing-carding, drawing frame, roving frame, spinning frame, winder, warping machine, large circle machine, warp knitting machine, nonwovens production line**

**Mining**

**Belt conveyor, hoist, air compressor, crusher, ball mill, centrifugal dehydrator**

**Printing and packaging**

**Tissue machinery, flying shears, coating machines, gravure printing, etc.**

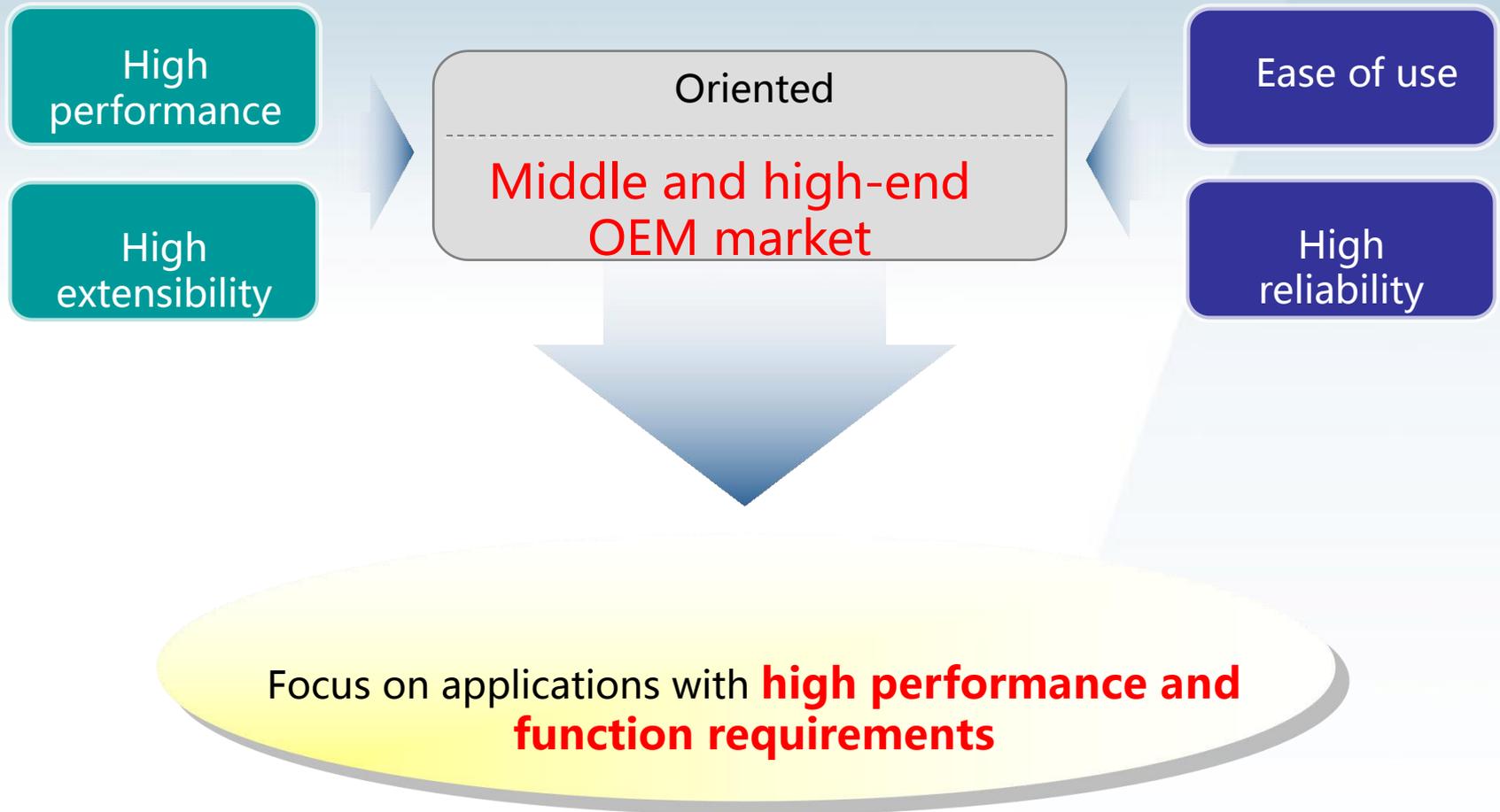
**Oil**

**Pumping unit, pump, polymer pump, submersible pump, oil pump, compressor**

**Other machinery**

**Lifting machinery, chemical, metal processing machinery, EPS, building materials machinery**

# Product orientation



Focus on applications with **high performance and function requirements**

# Product features

**1. All drive and all-around ——Support synchronous, asynchronous motor.**

**Drive all kinds of motors:**

- Permanent magnet synchronous motor,
- Common asynchronous motor
- Asynchronous servo motor,
- Frequency variable motor
- Direct drive motor,
- Spindle motor



Motor spindle



Direct drive motor



Synchronous motor



Frequency variable motor



Common asynchronous motor



Asynchronous servo motor

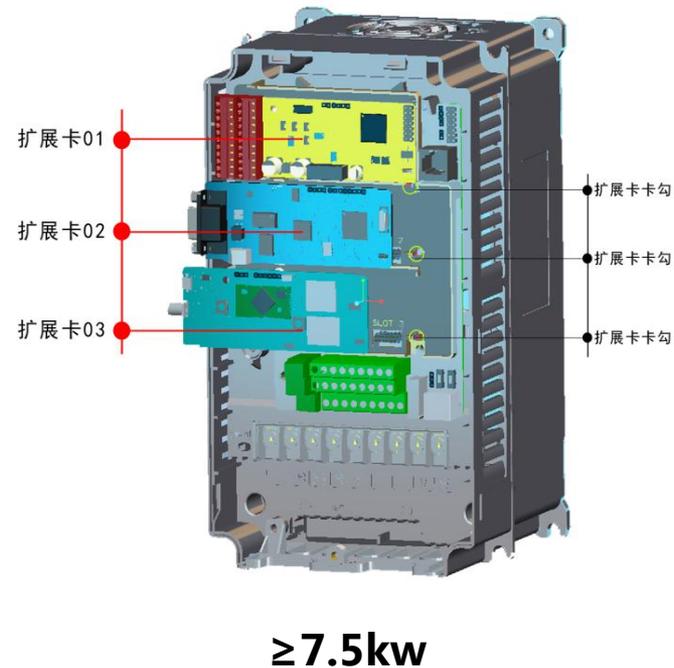
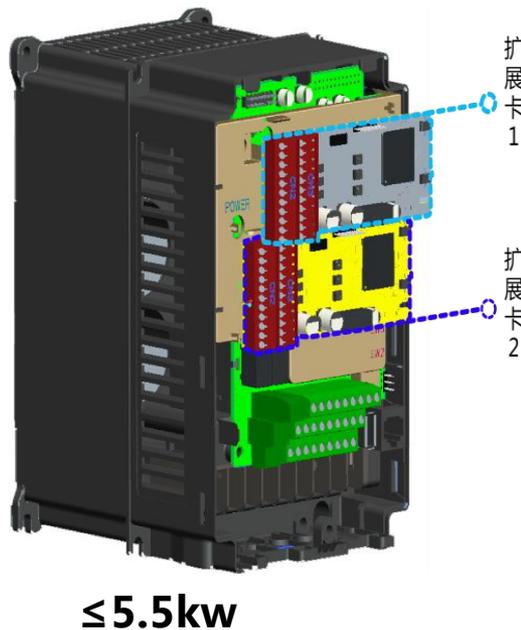


# Product features

## 2. High extensibility

Optional PLC card、 I/O card、 communication card、 PG card, etc. It can meet the needs of many kinds of expansion cards at the same time, which can satisfy the individual needs of customers quickly.

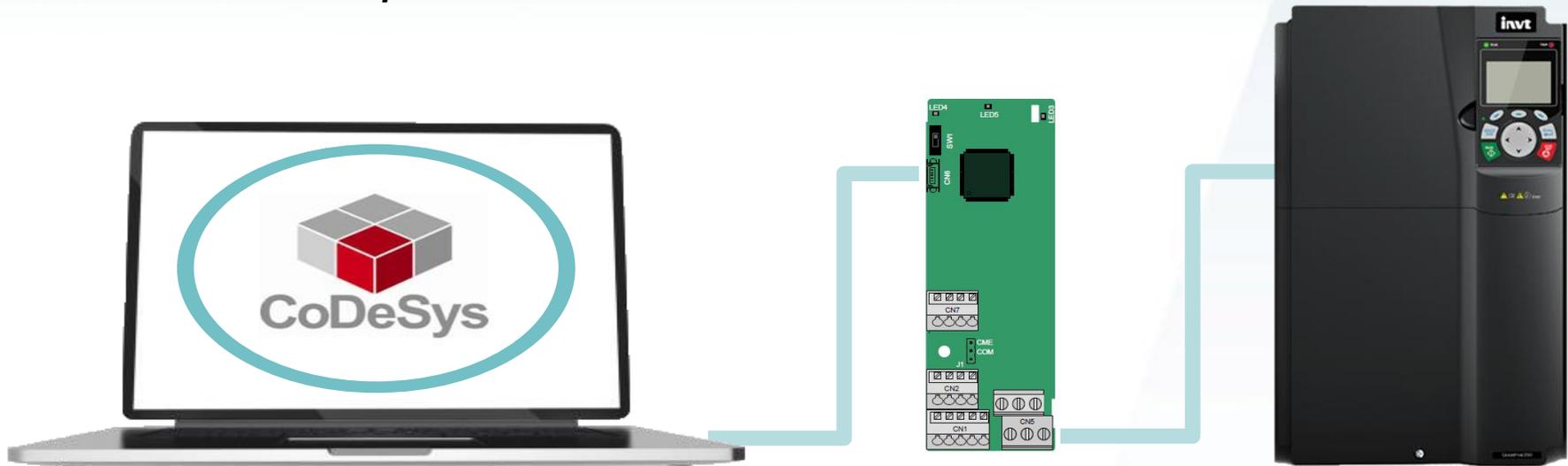
- The expansion card size is the same, supports any card slot installation, the installation is convenient.



# Product features

## 3. Support customer secondary development

- **CODESYS development platform , supports 6 kinds of PLC programming languages.**
- **Optional built-in PLC card, 128k program storage space, convenient for customers to carry out secondary development, to meet the needs of customization, reduce customer costs**



# Product features

## 4. Support multiple mainstream communication modes

Standard 485 communication

Support optional expansion card : Ethernet, CANopen, Profibus DP, Bluetooth, **Profinet**



Profinet card -2018.10 on the market