

# Technical Specifications



| Model     |         | STAR-L                  | STAR-H                  |
|-----------|---------|-------------------------|-------------------------|
| Main body | Robot   | E03 / E05               | E10-L                   |
|           | Vehicle | FR-200 ( payload 200kg) | FR-1200 ( payload 1.2t) |

|                       |                                 |  |                      |
|-----------------------|---------------------------------|--|----------------------|
| Basic performance     | Dimensions (Elfin Not Included) | L890×W620×H950(mm)   | L1530×W965×H1304(mm) |
|                       | Weight (Shelf Included)         | 200kg  | 900kg                |
|                       | MAX Payload                     | 100kg  | 600kg                |
|                       | Lifting Unit (Customizable)     | 10 Layers, 15 PCS/Layer                                      |                      |
| Running performance   | MAX Velocity                    | 1.5m/s   |                      |
|                       | Navigation Mode                 | Laser SLAM   |                      |
|                       | Actuation                       | Differential Drive   |                      |
| Vision performance    | Vision (Standard Mode)          | Camera (Customizable)  |                      |
|                       | Positioning Accuracy            | ±0.5mm   |                      |
| Software              | Operating Software              | Robot application software / Dispatching software (optional) |                      |
|                       | Development Platform            | IPC ubuntu 20  |                      |
| Endurance performance | Battery Voltage                 | DC 48V   |                      |

|                    |                                  |                                   |                                   |
|--------------------|----------------------------------|-----------------------------------|-----------------------------------|
|                    | Battery Capacity                 | 46AH                              | 125AH                             |
|                    | Running Time (with load)         | 8hrs                              | 12hrs                             |
|                    | Charging Mode                    | Automated / Manual                |                                   |
|                    | Charging Time                    | 2hrs (Automated) / 1.5hrs(Manual) | 2.5hrs (Automated) / 2hrs(Manual) |
| External Interface | Standard Communication Interface | TCP/IP, Modbus                    |                                   |
|                    | Outbound Interface               | WiFi,1 x RJ45                     |                                   |

