

## Technical Specifications

| Product name             | R5+™   | R5™  |
|--------------------------|--|--|
| Model name               | Robot R5+ SDG 1.0 / Robot R5+ DDG 1.0                              | Robot 2.4 5.0 SDG / Robot 5.0 DDG                                  |
| Type                     | AS-99188-2.4-425 SDG / AS-99188-DDG-425                            | AS-99188-2.4 SDG / AS-99188-DDG                                    |
| Region                   | Global   | Global   |
| Manufacturer             | AutoStore AS   | AutoStore AS   |
| Dimensions               | L: 963 mm (SDG) / L: 988 (DDG) W: 700 mm, H: 645 mm (with antenna) | L: 963 mm (SDG) / L: 988 (DDG) W: 700 mm, H: 545 mm (with antenna) |
| Weight                   | 149 kg with batteries (SDG) / 160 kg with batteries (DDG)          | 145 kg with batteries (SDG) / 156 kg with batteries (DDG)          |
| Weight with max load     | 184 kg (SDG) / 195 kg (DDG)  | 180 kg (SDG) / 191 kg (DDG)  |
| Bin type support         | 220, 330 and 425 mm Bins   | 220 and 330 mm Bins  |
| Max load including Bin   | 35 kg  | 35 kg  |
| Operating temperature    | +2 °C to +35 °C  | +2 °C to +35 °C  |
| Operation humidity       | 40% - 90% non-condensing   | 40% - 90% non-condensing   |
| Cover material           | Aluminum   | Aluminum   |
| Speed                    | 3.1 m/s (11 km/h)  | 3.1 m/s (11 km/h)  |
| Acceleration             | 0.8 m/s <sup>2</sup>   | 0.8 m/s <sup>2</sup>   |
| Lift speed               | 1.6 m/s  | 1.6 m/s  |
| Voltage                  | 24 VDC   | 24 VDC   |
| Power consumption        | 100 W (during operation)   | 100 W (during operation)   |
| Interface charge-contact | Voltage 24 V / Current max 25 A                                    | Voltage 24 V / Current max 25 A                                    |
| Robot battery            | 2 x Seal Lead Acid Batteries (12 V / 105 AH)                       | 2 x Seal Lead Acid Batteries (12 V / 105 AH)                       |
| Max charge current       | 25 A   | 25 A   |
| Robot radio frequency    | 2405 – 2480MHZ   | 2405 – 2480MHZ   |
| Operator panel           | 4 switches, 3 LEDs, local emergency stop                           | 4 switches, 3 LEDs, local emergency stop                           |
| RF output power          | 7.7 dBm  | 7.7 dBm  |
| IP-class                 | IP 20  | IP 20  |