

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 ²	0.8 m/s ²
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

Technical Specifications

Product Name	R5 Pro™
Model Name	Robot R5 Pro SDG Robot R5 Pro DDG
Type	AS-99588-SDG-PRO AS-99588-DDG-PRO
Region	Global
Manufacturer	AutoStore AS
Dimensions	L: 963 mm (SDG) / L: 988 (DDG) W: 700 mm, H: 539 mm
Weight	141 kg with battery (SDG) / 148 kg with battery (DDG)
Weight with Max. Load	176 kg (SDG) / 183 kg (DDG)
Bin Type Support	220 and 330 mm Bins
Max. Load Including Bin	35 kg
Operating Temperature	+1°C to +35 °C
Operating Humidity	40% - 90% non-condensing
Cover Material	Aluminium
Speed	3.1 m/s (11 km/h)
Acceleration	0.8 m/s ²
Lift Speed	1.6 m/s
Voltage	24 VDC
Power Consumption	100 W (during operation)
Interface charge-contact	Voltage 24 V / Current max 100 A
Robot Battery	Toshiba Battery SIP 24-23, FP01101MCB01A (24 V / 556 Wh)
Max charge current	100 A
Robot Radio Frequency	2405 – 2480 MHZ
Operator Panel	5 switches, Status LED (multi colour), Local emergency stop, Dome with antenna, and error status LEDs (orange)
RF Output Power	7.7 dBm
IP-Class	IP 20

Technical Specifications

Product Name	R5+ Pro™
Model Name	Robot R5+ Pro SDG Robot R5+ Pro DDG
Type	AS-99588-SDG-425-PRO AS-99588-DDG-425-PRO
Region	Global
Manufacturer	AutoStore AS
Dimensions	L: 963 mm (SDG) / L: 988 (DDG) W: 700 mm, H: 639 mm
Weight	145 kg with battery (SDG) / 152 kg with battery (DDG)
Weight with Max. Load	180 kg (SDG) / 187 kg (DDG)
Bin Type Support	220, 330, and 425 mm Bins
Max. Load Including Bin	35 kg
Operating Temperature	+1°C to +35 °C
Operating Humidity	40% - 90% non-condensing
Cover Material	Aluminium
Speed	3.1 m/s (11 km/h)
Acceleration	0.8 m/s ²
Lift Speed	1.6 m/s
Voltage	24 VDC
Power Consumption	100 W (during operation)
Interface charge-contact	Voltage 24 V / Current max 100 A
Robot Battery	Toshiba Battery SIP 24-23, FP01101MCB01A (24 V / 556 Wh)
Max charge current	100 A
Robot Radio Frequency	2405 – 2480 MHZ
Operator Panel	5 switches, Status LED (multi colour), Local emergency stop, Dome with antenna, and error status LEDs (orange)
RF Output Power	7.7 dBm
IP-Class	IP 20