

## Product Specifications

Model	-	Nova 2	Nova 5
Weight	-	11 kg (24.3 lbs)	14 kg (30.9 lbs)
Payload	-	2 kg (4.4 lbs)	5 kg (11 lbs)
Reach	-	625 mm (24.6 in)	850 mm (33.5 in)
Maximum Speed	-	1.6 m/s (63 in/s)	2 m/s (78.7 in/s)
Range of Motion	J1	±360°	±360°
	J2	±180°	±180°
	J3	±156°	±160°
	J4 to J6	±360°	±360°
Maximum Joint Speed	J1 to J6	135° /s	100° /s
End IO	DI	2 inputs	2 inputs
	DO	2 outputs	2 outputs
	RS485	Supported	Supported
Repeatability	-	±0.05 mm	±0.05 mm
IP Classification	-	IP54	IP54
Noise	-	65 dB (A)	70 dB (A)
Ambient Temperature	-	0° to 50° C (32° to 122° F)	0° to 50° C (32° to 122° F)
Power Consumption	Typical value	100W	230W
	Maximum value	250W	770W
Installation Orientation	-	Any angle	Any angle
Cable Length to Controller	-	3 m (9.84 ft)	3 m (9.84 ft)
Material	-	Aluminum alloy, ABS plastic	

Product	-	Controller
Size	-	200 mm x 120 mm x 55 mm (7.9 in x 4.7 in x 2.2 in)
Weight	-	1.3 kg (2.9 lbs)
Input Power	-	30 ~ 60V DC
IO Power	-	24V, Max 2A, Max 0.5A for each channel
IO Interface	DI	8 inputs (NPN or PNP)
	DO	8 outputs (NPN or PNP)
	AI	2 inputs, voltage mode, 0V to 10V
	AO	2 outputs, voltage mode, 0V to 10V
Communication Interface	Network interface	2, for TCP/IP and Modbus TCP communication
	USB	2, for connecting USB wireless module
	485 interface	1, for RS485 and Modbus RTU communication
Environment	Temperature	0° to 50° C (32° to 122° F)
	Humidity	0% to 95% noncondensing
Remote Power On/Off	-	Supported
IP Classification	-	IP20
Cooling Mode	-	Passive heat dissipation
Software	-	PC, IOS, Android



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# DOBOT Nova Series

Collaborative Robots For The Commercial Sector

