

PRODUCT PLATFORM	APM Series	SERIES	High-Speed Joint Modules
3 MODELS	83 – 102 mm DIAMETER	24 – 60 Nm PEAK TORQUE	350 – 480 rpm MAX SPEED

MODEL COMPARISON

Parameter	APM-083-024-R09	APM-095-030-R09	APM-102-060-R09
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GENERAL SPECIFICATIONS

Module Outer Diameter (mm)	83	95.5	102
Module Height (mm)	40	41.5	48
Reducer Type	Planetary	Planetary	Planetary
Reduction Ratio	9	9	9
Module Weight (g)	360	460	1010

PERFORMANCE

Rated Speed (rpm)	320	300	450
Rated Torque (Nm)	6	9	20
Maximum Speed (rpm)	350	350	480
Maximum Torque (Nm)	24	30	60
Torque Constant (Nm/A)	1.1	1	0.5
Speed Constant (rpm/V)	7.5	7.3	10.4

ELECTRICAL & COMMUNICATION

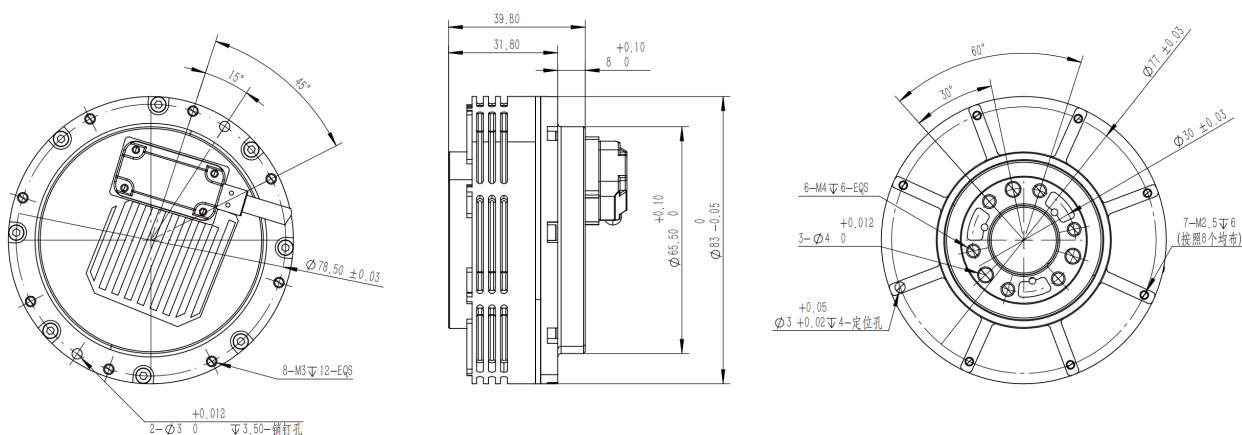
Drive Voltage (V)	48	48	48
Communication Protocol	CAN / CANFD	CAN / CANFD	CAN / CANFD

MECHANICAL & ENVIRONMENT

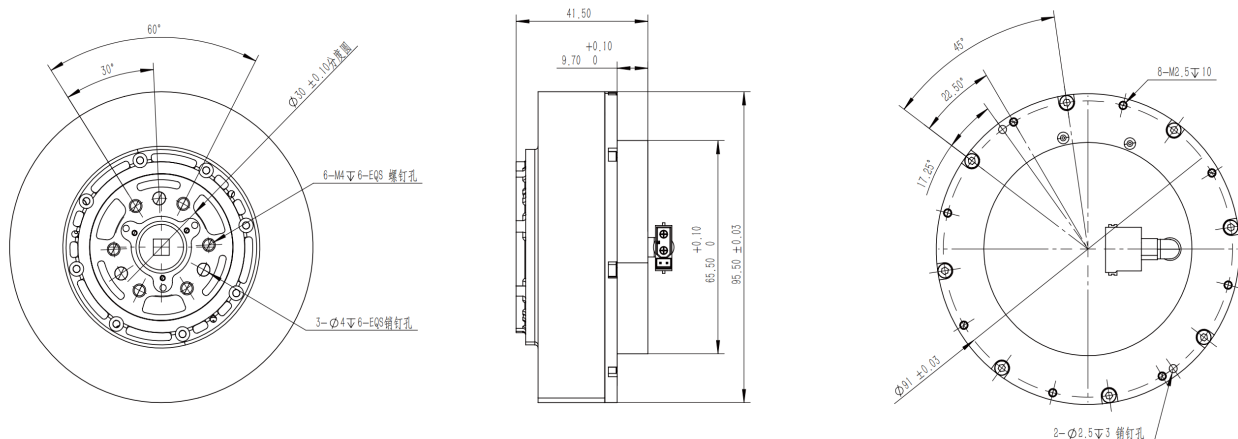
Protection Rating	IP67	IP54	IP67
Backlash	< 10 arcmin	< 10 arcmin	< 10 arcmin

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DIMENSIONAL DRAWING- 83 mm Platform



DIMENSIONAL DRAWING– 95.5 mm Platform



DIMENSIONAL DRAWING– 102 mm Platform

