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eDrive Solution



ANANDA



About Us

Ananda has more than 20 years of experience developing professional drive systems for two-wheel e-mobility. We focus on continuously upgrading intelligent drive systems and components including mid drive motor, side-mounted motor, hub motor, controller, sensor, HMI, etc. Ananda's latest smart platform covers the needs of mobility manufacturers and riders.

As an eDrive solution expert, Ananda has been well-recognized by customers for its R&D capability and consistent quality. Ananda's headquarters is located in Shanghai and has three main manufacturing facilities in China. Ananda's service capability has extended to Europe, North America and Southeast Asia via local service centers and online service platforms.

Ananda is able to provide a complete eDrive system with customizable configurations for brands and manufacturers.





eMoped



eMotorcycle



eScooter



eBike



System Profile



Mid Drive Motor



Side-mounted Motor



Hub Motor



eScooter Motor

System Profile

C0180

Voltage	60V	Max.Torque	80N.m
Rated Power	1800W	Max.Speed	60km/h

Mid Drive Motor System



System Profile

C0400

Voltage 72V

Max.Torque 120N.m

Rated Power 4000W

Max.Speed 80km/h

Mid Drive Motor System



System Profile

S0300

Voltage 72V

Max.Torque 110N.m

Rated Power 3000W

Max.Speed 80km/h

Side-mounted Motor System



System Profile

H0100

Voltage 48V

Max.Torque 90N.m

Rated Power 1000W

Max.Speed 50km/h

Hub Motor System



System Profile

H0120

Voltage 72V

Max.Torque 100N.m

Rated Power 1200W

Max.Speed 60km/h

Hub Motor System



System Profile

H0150

Voltage	72V	Max.Torque	105N.m
Rated Power	1500W	Max.Speed	60km/h

Hub Motor System



System Profile

H0300

Voltage	72V	Max.Torque	120N.m
Rated Power	3000W	Max.Speed	70km/h

Hub Motor System

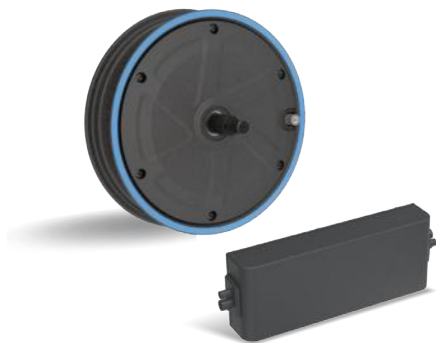


System Profile



H0045


Voltage	48V	Max.Torque	30N.m
Rated Power	450W	Max.Speed	25km/h

Hub Motor System





Specification

Model Type	Model Name	Motor Type	Voltage (V)	Rated Power (W)	Transmission Mode	Reduction Ratio	Peak Power (W)	Peak Torque (N.m)	Max. Efficiency	Wheel Fitting	Brake Type	Cooling	Frame Width Fitting (mm)	Max.Speed (km/h)	Weight (kg)
 Mid Drive Motor	C0180	PMSM	60	1800	Belt/Chain	4	3300	80	≥90%	MT2.5-12	Disc brakes	Air	205	60	7.6
 Mid Drive Motor	C0400	PMSM	72	4000	Belt/Chain + Gear	4	6000	120	≥90%	MT3.0-12	Disc brakes	Air	210	80	17 (Gearbox included)






Model Type	Model Name	Motor Type	Voltage (V)	Rated Power (W)	Transmission Mode	Reduction Ratio	Peak Power (W)	Peak Torque (N.m)	Max Efficiency	Wheel Fitting	Brake Type	Cooling	Frame Width Fitting (mm)	Max. Speed (km/h)	Weight (kg)
 Side-mounted Motor	S0300	PMSM	72	3000	Cogs	7.11	5000	110	≥90%	MT2.5-12	Disc	Air	210	80	14 (Gearbox included)

Specification

	Model Type	Voltage (V)	Rated Power (W)	Max. Efficiency	Max. Speed (km/h)	Cooling	Brake Type	Wheel Fitting
	Hub Motor	48-72	1000-3000	≥90%	40-80	Air	Disc	MT2.5-12
								MT2.5-14
		48-72	1000-3000	≥90%	40-80	Air	Disc	MT2.75-17
								MT3.5-12
		48-96	1000-6000	≥90%	40-120	Air	Disc	MT3.5-13
								MT3.5-14
		48-96	1000-6000	≥90%	40-120	Air	Disc	MT3.5-16

	Model Type	Tire Size	Rated Voltage (V)	Rated Power (W)	Max.Efficiency
	eScooter Motor	8.5"	24-48	250-350	≥85%
		10 "	24-48	250-450	
		10.5 "	24-48	350-800	
		11 "	24-48	350-1400	

Specification

	Model Type	Model Name	Rated Voltage (V)	Current Limit (A)	Peak Phase Current (A)	Communication Protocol	Control Tech.	IP Rate
    	Controller	MC7100	72	100	300	Uart-TTL	FOC	IP65
		MC7200	72	200	500	CAN	FOC	IP67
		MC7210	72	200	500	CAN	FOC	IP67
		MC7300	72	300	400	CAN	FOC	IP65
		MC7500	72	500	600	CAN	FOC	IP67

