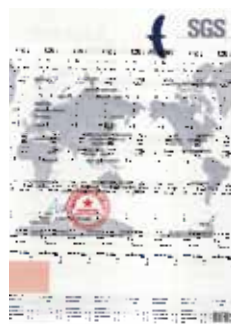




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About DAPU

Background information

Dapu is a Japanese-owned company who have been manufacturing and delivering electric bicycle components worldwide for over 10 years. With a commitment to provide the high power, durable and precise ebike production to customers, our team of engineers and specialists aim for pragmatic innovation and unique design. We now cooperate with some of the leading European and American major brand ebike builder over 40 countries across the globe.

From all staff of DAPU "Our mission is to deliver high quality, reliable bicycle drive systems that allow customers to explore the outdoor ride journey safely and enjoyably."

DAPU

bicycle drive systems

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Catalogue

bicycle drive systems



DAPU

bicycle drive systems

Motors

Latest Mid Drive

M80MS is created for new powerful center motor and equipped with stable advanced pure torque sensor.

New Product

M80MS



Power
(w)

350/500



Efficiency
(%)

≥80



Torque
(Nm)

>80



Speed
(kph)

25-32



Weight
(kg)

<4.0



M65MS is designed with smallest size and lightest weight as well as smoother ride feeling especially for road/fold bike.

New Product

M65MS



Power
(w)

200/250



Efficiency
(%)

≥80



Torque
(Nm)

>60



Speed
(kph)

25-32



Weight
(kg)

<2.5








Motors

Mid Drive

MD250S perfectly shows its amazing performance in higher torque and smooth cycling after long time experience and test in the market that has been ranking our top highlight products.(ISIS or Square shaft)






MD250S

				
Power (w)	Efficiency (%)	Torque (Nm)	Speed (kph)	Weight (kg)
250/350	≥80	>80	25-32	<3.5



MD250 generates astounding 90Nm max torque and achieves a peak efficiency over 80%. Its torque sensor and controller are integrated within the motor, which provide a high quality and very competitive option for the market.

MD250

				
Power (w)	Efficiency (%)	Torque (Nm)	Speed (kph)	Weight (kg)
250/350 /500/750	≥80	>80	25-32	<4.3








Motors

M179 Series High Power Motor

In addition to providing greater energy, this high-power motor equipped with quieter voice to make sure that you can enjoy the non-noisy trip and the thrill riding.

It was installed 48V system with options of rated power for 500W/750W/1000W, and available in silver or black color which is suitable for US Market.

				
Power (w)	Efficiency (%)	Torque (Nm)	Speed (kph)	Weight (kg)
500/750/1000	≥85	50/60/80	25-45	<4.8



Motors

M155 series High Power Motor

Enjoy the ultimate freedom wherever you go and whenever you want. When substantial torque is needed for climbing high hills or moving loads, these motors are your excellent choice.

Featured in robust and powerful performance that can achieve 500W/48V option for countries with higher power needs but without speed limit regulations.

These motors are planetary-geared with an internal freewheel that create no drag when riding without power assistance.

FOR FAT BIKE



Power
(w)

350/500



Efficiency
(%)

≥80



Torque
(Nm)

35/45



Speed
(kph)

25-45



Weight
(kg)

<3.8

Rate voltage (v) 36/48

Cable location Left/right

Diameter (mm) 155






Brake type V-brake



Motors

M123 Series Normal Power Motor

Quiet and unobtrusive, these motor is commonly used for city bike with elegant design and good performance. Light and efficient, is suitable for v-brakes and 6,7,or 8 speed freewheel gears and 8-11 speed cassette freewheel and available in silver and black color. Compact 250w front or rear motor

				
Power (w)	Efficiency (%)	Torque (Nm)	Speed (kph)	Weight (kg)
250	≥80	35	25-32	<2.5

Rage voltage(v)	24/36	Cable location	Left
Diameter (mm)	123	Brake type	V-brake



System Components

Torque sensor, Display and Controller.

DPLCD-S

Color screen display



DPLCD-Q



DPLCD-P



LCD-C6

- Same hardware with different software can match 24v,36v,48v systems
- PAS level, speed, trip/ODO
- Battery percentage indication
- Error codes displayed automatically
- Password verification (optional)
- Bluetooth(optional)
- USB charger for smart phone



LCD display: DPLCD-Q, DPLCD-P,D-PLCD-C11,DPLCD-C13,

Unique program service needs can be customized for OEM clients and error code function for simple diagnosis will be provided.

Battery capacity



Controller

JK2

Voltage (dcv)	24/36V
Max current (a)	15A
Power assist mode	Speed cadence Sensor/ Torque sensor
Throttle	Optional
Brake cutoff circuit	Optional
Out size	100 x 50 x 25mm
Operating mode	Sine wave



JK8

Voltage (dcv)	36/48V
Max current (a)	18A
Power assist mode	Speed cadence sensor/ Torque sensor
Throttle	Optional
Brake cutoff circuit	Optional
Out size	100 x 65 x 26mm
Operating mode	Sine wave



HK05/HK06

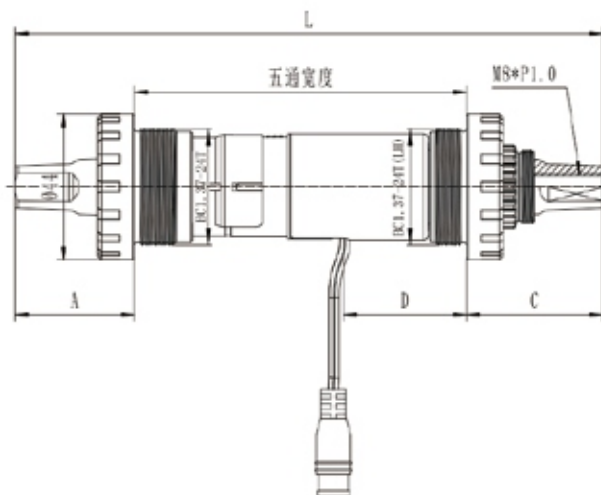
Voltage (dcv)	36/48V
Max current (a)	20/25A
Power assist mode	Speed cadence sensor/ Torque sensor
Throttle	Optional
Brake cutoff circuit	Optional
Out size	100 x 65 x 31mm/ 109 x 60.5 x 31mm
Operating mode	Sine wave



Torque Sensor

BBTS1SD Characters

High accuracy and good linearity
 Fast dynamic response
 Maintenance free, good interchangeability
 Small size (be installed in standard bottom bracket)
 Non contact, long service life
 Insensitive to bending moments and axial forces
 Low power consumption and long-term stability
 Adjustable assembly dimensions and input/output signals



Bottom bracket width	68	68	73	73	86	86
L (mm)	145	155	145	155	158.5	166
A (mm)	38.5	43.5	33.5	41	33.5	41
C (mm)	38.5	43.5	38.5	41	39	39
D (mm)	36.5	34	36.5	36.5	50	50

BB Torque Sensor	(CMTS2SD)
Voltage	4.5-5.5V
Power	< 0.2W
Torque output voltage	0.74-3.3V
Torque signal	35mV/N.m
Torque measure scope	0.5-0.8N.m
Speed signal pulse	36r
Speed signal PWM	40%-60%
Design standard	EN14766/ISO13849
Screw	M47*1.0
Crankset	1pcs/2pcs
Bottom Bracket Width	68mm
Waterproof level	IP65
Working temp	-20-60°C
Storage temp	-30-80°C








Product Introduction

Technical data

Mid Drive



	M 80MS	M 65MS	MD250S	MD250
 Power	350/500	200/250	250	250/350/500/750
 Efficiency(%)	≥ 80	≥ 80	≥ 80	≥ 80
 Torque (Nm)	> 80	< 60	> 80	> 80
 Speed(kph)	25 - 32	25 - 42	25 ~ 32	25 ~ 32
 Weight(kg)	< 4.5	< 2.2	< 3.5	< 4.3
Rated voltage(v)	36/48	36	36/48	36/48
Placement	Mid	Mid	Mid	Mid
Integrated controller& torque sensor	Yes	Yes	Yes	Yes
Diameter(mm)	n/a	n/a	n/a	n/a
Axis length(mm)	n/a	n/a	n/a	n/a
Dropout (mm)	n/a	n/a	n/a	n/a
Spoke Specs	n/a	n/a	n/a	n/a
Spoke Pitch	n/a	n/a	n/a	n/a
Brake Types	n/a	n/a	n/a	n/a
Cable Location	n/a	n/a	n/a	n/a
Freewheel	Clutch	Clutch	Clutch	Clutch
Hall Sensor	Option	Option	Option	Option
Speed Sensor	n/a	n/a	n/a	n/a
Cassette Style	n/a	n/a	n/a	n/a

Product Introduction

High Power



Fat Bike



Normal power



M 179RN/CN /CH/RH	M155FD/CH/CS/RD /CN/FH/RH	M 135FR	M 123FS/FD/RD /RN/RS
500/750/1000 ≥ 85 45/55/65 25 ~ 45 < 4.8	250/350/500 ≥ 80 35/45/45 25 ~ 45 < 3.8	250 ≥ 80 30 25 ~ 32 < 2.8	200/250 ≥ 80 30/30 25 ~ 32 < 2.8
36/48 Rear n/a	36/48 Front/Rear n/a	24/36 Front n/a	24/36 Front/Rear n/a
179 191 142	155 145/161/205/216/236 100/142/139/170/190	135 145 100	123 145/161/205 135
12G/13G 167 V/Disc Left/Right Clutch Option Option Cassette	12G/13G 144 V/Disc rake Left/Right Clutch Option Option Cassette	12G/13G 124 Roller brake Right Clutch Option Option n/a	12G/13G 113 Disc brake Left/Right Clutch Option Option n/a