

# BAFANG

POWER YOUR LIFE



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online factory tour



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@Bafang E-Bike Drive Systems     



**ENGINEERED  
TO MAKE YOU**

**Smile**

**WORKBOOK 2025**

MTB | ROAD | CITY | TOUR | CARGO | FAT  
E-BIKE DRIVE SYSTEMS

POWER YOUR LIFE

**BAFANG**

BAFANG

POWER YOUR LIFE





# CONTENT

## SMART SOLUTION

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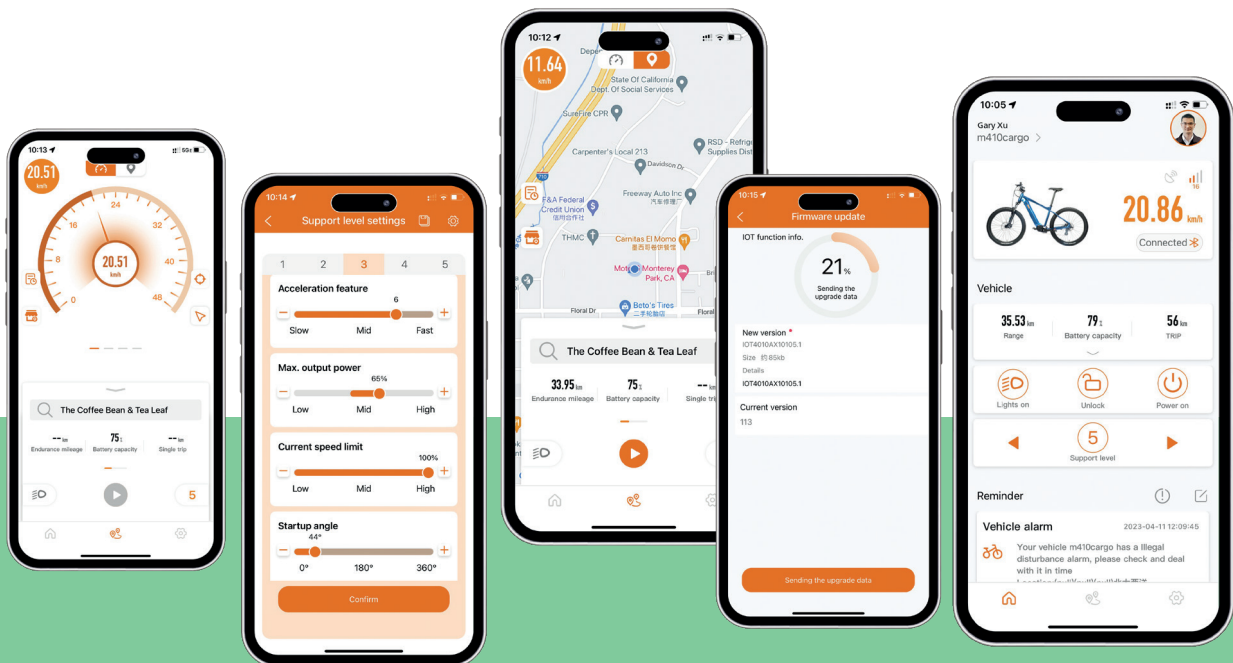
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# BAFANG GO+

## SMART CONNECTIVITY



Virtual Display

Custom Settings

Riding map

Software Update

Control Interface

The upgraded smartphone app provides Bafang system users an all-round interface to enrich the cycling experience, as well as bike configuration and software update via Bluetooth. Meanwhile, the app could connect to Bafang IOT device on the smartphone, which allows users to interact with the drive systems conveniently. BAFANG GO+ for iOS™ and Android™ – right there on your phone.



IOS



Android

# BESST Pro

## BAFANG E-MOBILITY SALES & SERVICE TOOL



Introducing BESST Pro, the ultimate tool exclusively designed for BAFANG dealers. With its new feature of parameter setting, system diagnostics, and firmware update etc, BESST Pro provides a comprehensive solution for all e-bikes equipped with BAFANG systems. Accessing the complete e-drive system, including motor, HMI, sensor, and controller, battery data as well as the new IOT device, BESST Pro ensures smooth and reliable performance of your Bafang e-drive system. Keep your e-drive system up-to-date with BESST Pro - the perfect tool for BAFANG dealers.

# BAFANG M820 MID MOTOR SYSTEM

## DRIVE SYSTEM FOR LIGHT ASSIST eMTB



eMTB



### MOTOR



**MM G532**  
250W  
75N.m (Max)  
Light weight < 2.3kg



### HMI



**DP C030**  
Seamlessly integrated  
into top tube  
Optimal readability  
1.9" TFT display



### BATTERY



**BT F350**  
Fully integrated  
48V 15.6Ah  
750Wh



### SENSOR



**SR SD071**  
Chain stay &  
disc brake



**SR S02**  
Chain stay &  
disc brake with  
centerlock



### ACCESSORIES - Chainwheel



**CW G532.1A**  
44T, CL49



### ACCESSORIES - Crank



**CK ISIS01.170P/165P**



### ACCESSORIES - Fixation Parts/Motor Cover/Bash Guard



**FP MMG532.A**  
Fixation parts



**MD G532.A**  
Motor cover



**BG G532.A**  
Bash guard

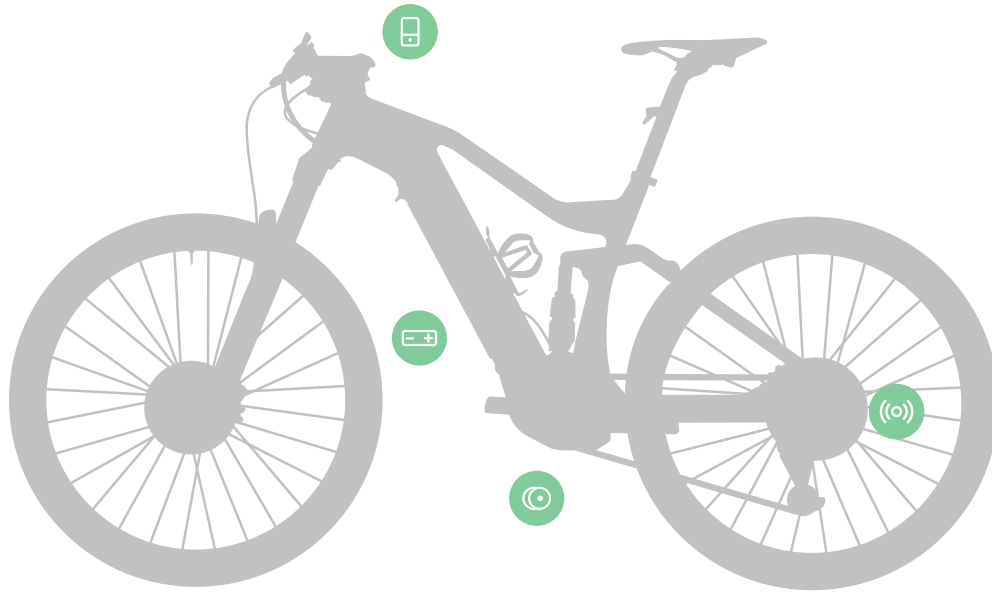


# BAFANG M560 MID MOTOR SYSTEM

## DRIVE SYSTEM FOR HEAVY ASSIST eMTB



eMTB



### MOTOR



**MM G5300**  
750W  
140N.m (Max)  
Light weight < 3.3kg



### HMI



**DP C245**  
1.9" TFT display  
Full-fit screen



**DP C010**  
4.0" TFT display  
Full-fit screen  
Multi UI options  
6 languages



### BATTERY



**BT F010**  
Fully integrated  
48V 15.6Ah  
750Wh



### SENSOR



**SR SD071**  
Chain stay &  
disc brake



**SR S02**  
Chain stay &  
disc brake with  
centerlock



### ACCESSORIES - Chainwheel



**CW G522.1A**  
32/40T, CL53



**CW G522.1C**  
34T, CL53



### ACCESSORIES - Crank



**CK BF01.170P** **CK BF02.170P** **CK BF02.165P**



### ACCESSORIES - Fixation Parts/Motor Cover/Bash Guard



**FP MMG521.B**  
Fixation parts



**MD G521.B**  
Motor cover



**BG G521.B**  
Bash guard



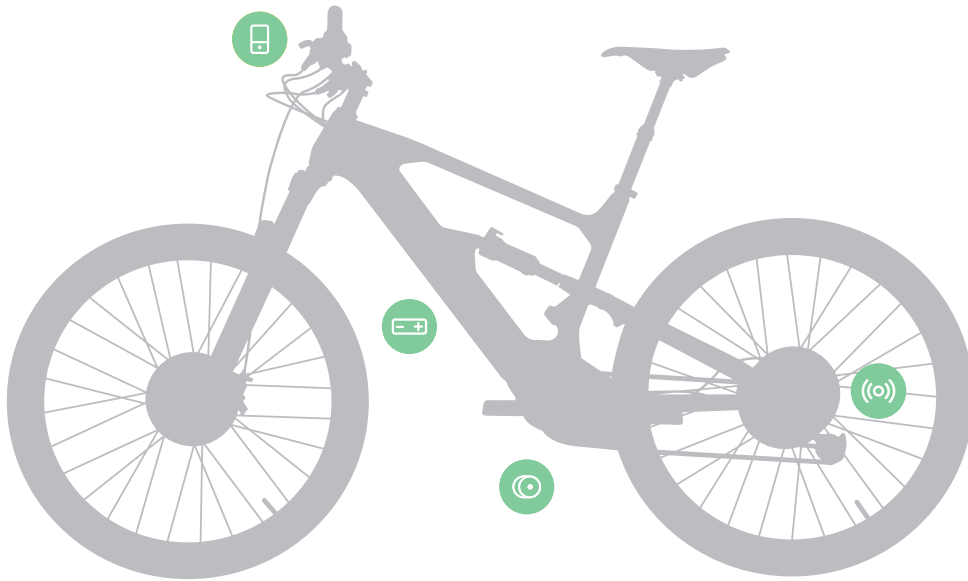


# BAFANG M510 MID MOTOR SYSTEM

## DRIVE SYSTEM FOR ALL TERRAIN eMTB



eMTB



### MOTOR



**MM G522**  
250W  
95N.m (Max)  
Light weight < 2.9kg



### HMI



**DP C245**  
1.9" TFT display  
Full-fit screen



### BATTERY



**BT F010**  
Fully integrated  
48V 15.6Ah  
750Wh



### SENSOR



**SR SD071**  
Chain stay &  
disc brake



**SR S02**  
Chain stay &  
disc brake with  
centerlock



### ACCESSORIES - Crank



**CK BF01.170P**



**CK BF02.170P/165P**



### ACCESSORIES - Chainwheel



**CW G522.1A**  
32/40T, CL53



**CW G522.1C**  
34T, CL53



### ACCESSORIES - Fixation Parts/Motor Cover/Bash Guard



**FP MMG521.B**  
Fixation parts



**MD G522.A**  
Motor cover



**BG G521.B**  
Bash guard



# BAFANG M410 MID MOTOR SYSTEM

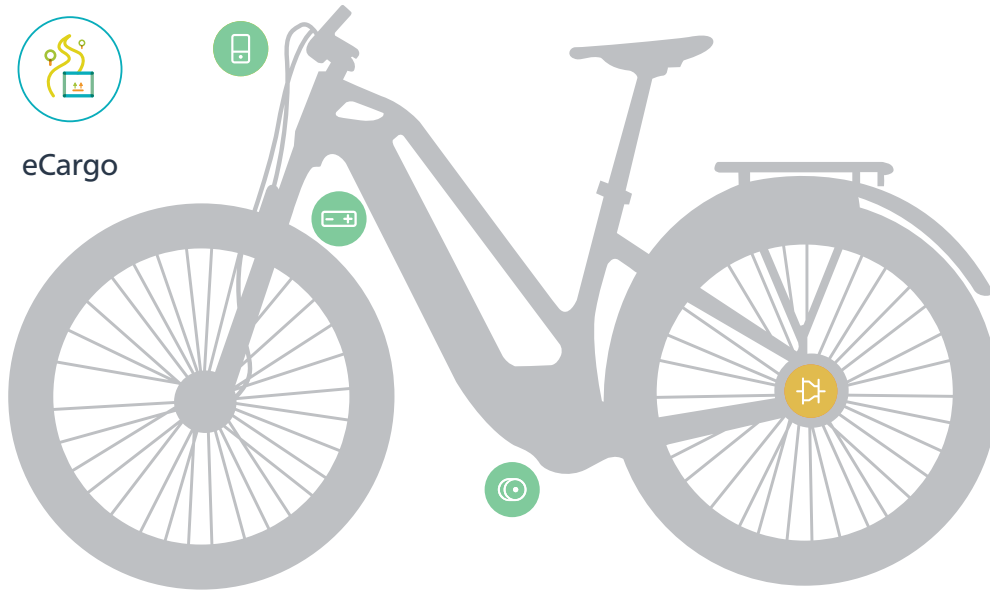
## DRIVE SYSTEM FOR eTour (eSUV) / eCargo



eSUV



eCargo



### MOTOR



#### MM G333

250W  
80N.m (Max)



### HMI



#### DP C010

4.0" TFT display  
Full-fit screen  
Multi UI options  
6 languages



### BATTERY



#### BT F781

Fully integrated  
48V 15.6Ah  
750Wh



### GEAR HUB



#### RG A310.D

3-speed  
automatic gear hub



### ACCESSORIES - Sprocket wheel



#### SW A310.01.A(16/18/20/22T)



### ACCESSORIES - Chainwheel



#### CW G333.1B

38T, CL 53



### ACCESSORIES - Fixation Parts/Motor Cover/Bash Guard



#### FP MMG521.B

Fixation parts



#### MD G333.B

Motor cover



#### BG G333.B

Bash guard



### ACCESSORIES - Crank



#### CK JIS01.170P



# BAFANG M820 MID MOTOR SYSTEM

## DRIVE SYSTEM FOR eRoad / eGravel



eRoad/  
eGravel



### MOTOR



**MM G532**  
250W  
75N.m (Max)  
Light weight < 2.3kg



### HMI



**DP C030**  
Seamlessly integrated  
into top tube  
Optimal readability  
1.9" TFT display



**DP C263**  
2.4" TFT display  
2 button options  
UI for eROAD



### BATTERY



**BT F100**  
Intube  
36V 10.4Ah  
375Wh



### SENSOR



**SR SD071**  
Chain stay &  
disc brake



**SR S02**  
Chain stay &  
disc brake with  
centerlock



### ACCESSORIES - Chainwheel



**CW G532.1A**  
44T, CL49



### ACCESSORIES - Crank



**CK ISIS01.170P**



### ACCESSORIES - Fixation Parts/Motor Cover/Bash Guard



**FP MMG532.A**  
Fixation parts



**MD G532.A**  
Motor cover



**BG G532.A**  
Bash guard



# BAFANG M210 MID MOTOR SYSTEM

## DRIVE SYSTEM FOR eCity



eCity



### MOTOR



**MM G2300**  
250W  
70N.m (Max)



### HMI



**DP C080**  
Ergonomic handle-end control  
All-in-one solution  
1.9" TFT display



### BATTERY



**BT F350**  
Fully integrated  
48V 15.6Ah  
750Wh



### GEAR HUB



**RG A310.D**  
3-speed  
automatic gear hub



### ACCESSORIES - Sprocket wheel



**SW A310.01.A(16/18/20/22T)**



### ACCESSORIES - Chainwheel



**CW G210.1B**  
38 / 44T , CL 45



**CW G210.1C**  
38T , CL 48



### ACCESSORIES - Fixation Parts/Motor Cover/Bash Guard



**FP MMG2300.A**  
Fixation parts



**MD G210.A**  
Motor cover



### ACCESSORIES - Crank



**CK JIS03.170P**



**CK JIS01.170P**

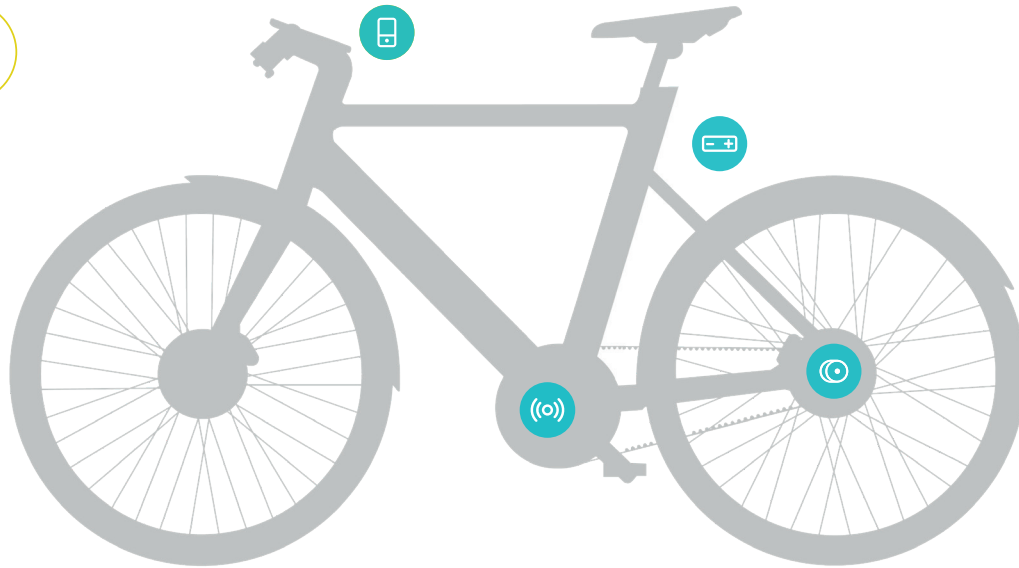


# BAFANG H700 REAR DRIVE SYSTEM

## DRIVE SYSTEM FOR eCity (eUrban)



eCity



### MOTOR



#### RM G3600

250W  
40N.m (Max)  
Auto dual speed integrated  
Belt/Chain optional



### HMI



#### DP C080

Ergonomic handle-end control  
All-in-one solution  
1.9" TFT display



### BATTERY



#### BT F100

Intube  
36V 10.4Ah  
375Wh



### SENSOR



#### SR PA232.32.ST

Torque & cadence  
sensor



### CONTROLLER



#### CR A101.C

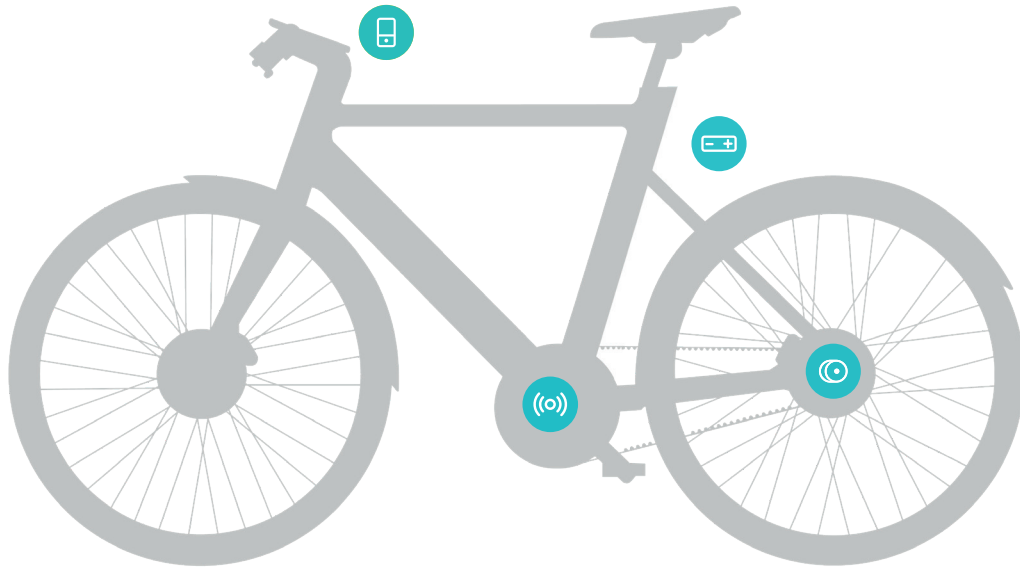


# BAFANG H410 REAR DRIVE SYSTEM

## DRIVE SYSTEM FOR eCity (eUrban)



eCity



### MOTOR



**RM G3310**  
250W  
35N.m (Max)



### HMI



**DP C080**  
Ergonomic handle-end control  
All-in-one solution  
1.9" TFT display



### BATTERY



**BT F100**  
Intube  
36V 10.4Ah  
375Wh



### SENSOR



**SR PA232.32.ST**  
Torque & cadence  
sensor



### CONTROLLER



**CR A101.C**

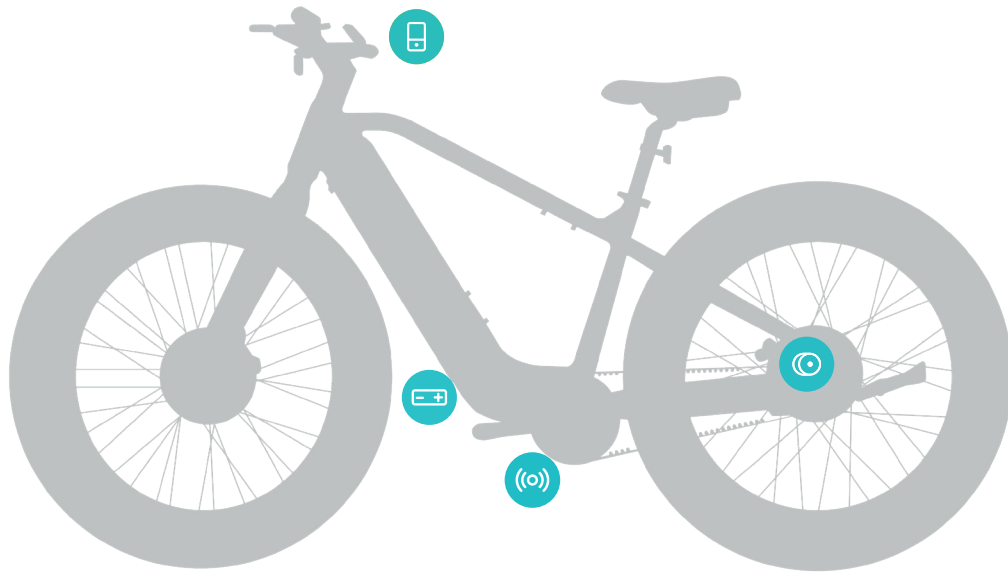


# BAFANG H720 REAR DRIVE SYSTEM

## DRIVE SYSTEM FOR eFat



eFat



### MOTOR



#### RM G06A2

750, 1000W  
80, 95N.m(Max)  
Auto dual speed integrated



### HMI



#### DP C010

4.0" TFT display  
Full-fit screen  
Multi UI options  
6 languages



### BATTERY



#### BT F381

Fully integrated  
48V 20.8Ah  
960Wh



### SENSOR



SR PA232.32.ST  
Torque & cadence  
sensor



### CONTROLLER



CR S307.1000.FC



# MOTOR

Mag



Mag NEW



Mag



## M820

## M620

## M560

## M510

Position	Mid Motor	Mid Motor	Mid Motor	Mid Motor
Model No.	MM G532.250.C	MM G510.750.C MM G510.1000.C	MM G5300.500.C MM G5300.750.C	MM G522.250.C
Application	eRoad , eGravel , eMTB	eCargo , eFat	eCargo , eMTB , eSpeed	eMTB
Dimensions/ Size				
A (mm)	167	235	197	197
B (mm)	117	138	125	125
C (mm)	147.6	150	154.8	154.8
Core Data				
Wheel Size (Inch)	20 - 29	20 - 29	20 - 29	20 - 29
Nominal Voltage (Vdc)	36 / 48	48 / 52	48	36 / 48
Rated Power (W)	250	750 , 1000	500 , 750	250
Speed Limit (km/h)	25 / 32 / 45	25 / 32 / 45	25 / 32 / 45	25 / 32
Max Torque (N.m)	75	160	130 , 140	95
Pedal Sensor	Cadence & Torque	Cadence & Torque	Cadence & Torque	Cadence & Torque
Shaft Standard	ISIS	ISIS	BAFANG	BAFANG
Color	Black	Black	Black	Black
Weight (kg)	2.3	6.7	3.3	2.9
Function				
Smart mode*	-	-	Yes	Yes
E-Brake	Optional	Optional	Optional	Optional
Throttle	N/A	Optional	Optional	N/A
Light Drive Capacity (Vdc/W)	12 / 6(max)	12 / 12(max)	12 / 6(max)	12 / 6(max)
Chain Guide	-	-	ISCG05	ISCG05
Tests & Certifications	IP X6 CE / EN 14766 / ROHS	IP X5 CE / EN 14766 / ROHS / UL2849	IP X6 CE / EN 14766 / ROHS / UL2849	IP X6 CE / EN 14766 / ROHS

\* Change assist ratio automatically according to rider's output.



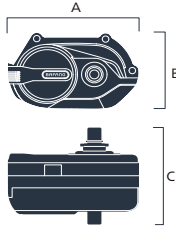
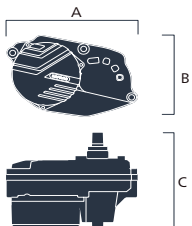
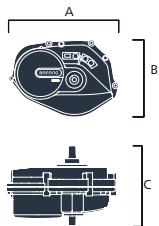
# MOTOR



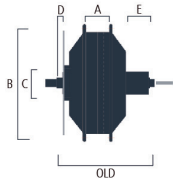
## M420

## M410

## M210

<b>Position</b>	Mid Motor	Mid Motor	Mid Motor
<b>Model No.</b>	MM G332.250.C MM G332.250.CCB	MM G333.250.C	MM G2300.250.C
<b>Application</b>	eCity , eTour	eMTB , eSUV , eCargo	eCity , eTour
<b>Dimensions/ Size</b>			
A (mm)	202	197	206
B (mm)	123	125	145
C (mm)	154.8	153	150
<b>Core Data</b>			
Wheel Size (Inch)	20 - 29	20 - 29	20 - 29
Nominal Voltage (Vdc)	36 / 48	36 / 48	36 / 48
Rated Power (W)	250	250	250
Speed Limit (km/h)	25 / 32	25 / 32	25
Max Torque (N.m)	80	80	70
Pedal Sensor	Cadence & Torque	Cadence & Torque	Cadence & Torque
Shaft Standard	BAFANG	JIS	JIS
Color	Black	Black	Black
Weight (kg)	3.6	3.3	3.2
<b>Function</b>			
Smart mode*	-	-	Yes
E-Brake	Optional	Optional	Optional
Throttle	N/A	N/A	N/A
Light Drive Capacity (Vdc/W)	6 / 3(max)	12 / 6(max)	12 / 6(max)
Chain Guide	6 bolt	6 bolt	6 bolt
<b>Tests &amp; Certifications</b>	IP X5 CE / EN 14766 / ROHS	IP X6 CE / EN 14766 / ROHS / UL2849	IP X6 CE / EN 14764 / ROHS

# MOTOR



## H640

## H600

## H550

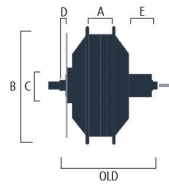
<b>Position</b>	Rear Motor	Rear Motor	Rear Motor
<b>Model No.</b>	RM G0900.750.D/DC	RM G370.250.DC	RM G063.1000.D/DC
<b>Application</b>	eCargo , eSpeed	eRoad , eCity	eFat , eCargo
<b>Size</b>			
A (mm)	32	44	68
B (mm)	183	93	145
C (mm)	44	44	44
D (mm)	15.25	15.25	15.25
E (mm)	42.5 / 40.75	39.5	42.1 / 39.7
OLD (mm)	138	148	175
<b>Core Data</b>			
Wheel Size (Inch)	26 / 700C / 28	26 / 700C / 28	20 / 26
Nominal Voltage (Vdc)	48	36	48 / 52(Fat tire)
Rated Power (W)	750	250	1000
Max Speed (km/h)	45	25	45 / 45+
Max Torque (N.m)	80	30	95
Color	Silver / Black	Black	Black
Weight (kg)	5.6	2.0	4.9
<b>Mounting Parameters</b>			
Brake	Disc-Brake	Disc-Brake	Disc-Brake
Cabling Route	Shaft Side_Left	Shaft Side_Left	Shaft Side_Left
Cable Length(mm), Connection Type	250 G11.6	250 G9.1	250 G11.6
Spoke Specification	36H*12G	36H*13G	36H*12G
Sprocket Wheel	8 - 10	8 - 10	8 - 10
Throttle	Optional	N/A	Optional
<b>Tests &amp; Certifications</b>	IP X6 ROHS / CE / UL2849	IP X6 ROHS / CE	IP X6 ROHS / CE / UL2849

# MOTOR



## H550W

<b>Position</b>	Rear Motor
<b>Model No.</b>	RM G0F2.750.D/DC RM G0F4.1000.D/DC
<b>Application</b>	eFat , eCargo
<b>Size</b>	
A (mm)	74
B (mm)	422
C (mm)	44
D (mm)	15.25
E (mm)	40
OLD (mm)	175
<b>Core Data</b>	
Wheel Size (Inch)	20(Fat tire)
Nominal Voltage (Vdc)	48 / 52 , 48 / 52
Rated Power (W)	750 , 1000
Max Speed (km/h)	32 / 45 , 45 / 45+
Max Torque (N.m)	80 , 95
Color	Black
Weight (kg)	8
<b>Mounting Parameters</b>	
Brake	Disc-Brake
Cabling Route	Shaft Side_Left
Cable Length (mm), Connection Type	250 G11.6
Spoke Specification	NA
Sprocket Wheel	6 - 7 , 8 - 10
Throttle	Optional
<b>Tests &amp; Certifications</b>	IP X6 ROHS / CE



## H410

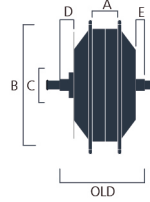
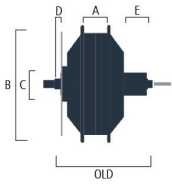
<b>Position</b>	Rear Motor
<b>Model No.</b>	RM G3310.250.D
<b>Application</b>	eRoad , eCity
<b>Size</b>	
A (mm)	39.6
B (mm)	121
C (mm)	44
D (mm)	15.25
E (mm)	25.6
OLD (mm)	131
<b>Core Data</b>	
Wheel Size (Inch)	26 / 700C / 28
Nominal Voltage (Vdc)	36
Rated Power (W)	250
Max Speed (km/h)	25 / 32
Max Torque (N.m)	35
Color	Black
Weight (kg)	2.3
<b>Mounting Parameters</b>	
Brake	Disc Brake
Cabling Route	Shaft Side_Left
Cable Length(mm), Connection Type	250 G9.1.2
Spoke Specification	36H*13G
Sprocket Wheel	8 - 10
Throttle	N/A
<b>Tests &amp; Certifications</b>	IP X6 ROHS / CE



## H400

<b>Position</b>	Rear Motor
<b>Model No.</b>	RM G3610.250.DC
<b>Application</b>	eCity
<b>Size</b>	
A (mm)	35
B (mm)	123
C (mm)	44
D (mm)	15.25
E (mm)	35
OLD (mm)	138
<b>Core Data</b>	
Wheel Size (Inch)	26 / 700C / 28
Nominal Voltage (Vdc)	36
Rated Power (W)	250
Max Speed (km/h)	25
Max Torque (N.m)	45
Color	Black
Weight (kg)	2.5
<b>Mounting Parameters</b>	
Brake	Disc Brake
Cabling Route	Shaft Side_Left
Cable Length(mm), Connection Type	250 G9.1
Spoke Specification	36H*13G
Sprocket Wheel	8 - 10
Throttle	N/A
<b>Tests &amp; Certifications</b>	IP X6 ROHS / CE

# MOTOR



## H405

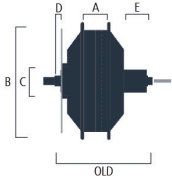
<b>Position</b>	Rear Motor	Rear Motor
<b>Model No.</b>	RM G0210.250.D/DC RM G0210.350.D/DC	RM G0100.250.D/DC RM G0100.350.D/DC
<b>Application</b>	eCity , eTour , eMTB	eCity , eTour
<b>Size</b>		
A (mm)	40	41
B (mm)	145	128
C (mm)	44	44
D (mm)	15.25	15.25
E (mm)	38 / 39.4	38.5 / 39.6
OLD (mm)	138 / 143	138
<b>Core Data</b>		
Wheel Size (Inch)	700C / 28	26 / 700C / 28
Nominal Voltage (Vdc)	36 , 48	36 / 48
Rated Power (W)	250 , 350	250 , 350
Max Speed (km/h)	25 , 25 / 32	25 , 25 / 32
Max Torque (N.m)	50 , 55	35 , 45
Color	Black	Black
Weight (kg)	3.4	3.1
<b>Mounting Parameters</b>		
Brake	Disc Brake	Disc Brake
Cabling Route	Shaft Side_Left	Shaft Side_Left
Cable Length(mm), Connection Type	250 G9.1	250 G9.1
Spoke Specification	36H*13G	36H*13G
Sprocket Wheel	7 - 9	7 - 8
Throttle	N/A	N/A
<b>Tests &amp; Certifications</b>	IP X6 ROHS / CE	IP X6 ROHS / CE / UL2849

## H305

## H400

<b>Position</b>	Front Motor
<b>Model No.</b>	FM G312.250.D/V
<b>Application</b>	eCity
<b>Size</b>	
A (mm)	37
B (mm)	121
C (mm)	44
D (mm)	10.5
E (mm)	4.7
OLD (mm)	100
<b>Core Data</b>	
Wheel Size (Inch)	16 - 24
Nominal Voltage (Vdc)	36
Rated Power (W)	250
Max Speed (km/h)	25
Max Torque (N.m)	45
Color	Silver / Black
Weight (kg)	2.4
<b>Mounting Parameters</b>	
Brake	Disc-Brake , V-Brake
Cabling Route	Shaft Side_Right
Cable Length(mm), Connection Type	250 G9.1
Spoke Specification	36H*13G
Throttle	N/A
<b>Tests &amp; Certifications</b>	IP X6 ROHS / CE

**Please note:** The bike speed (km/h) is calculated based on the wheel circumference.

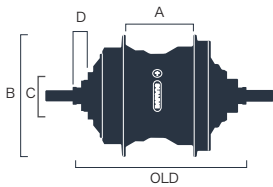


## H720

## H710

## H700

<b>Position</b>	Rear Motor	Rear Motor	Rear Motor
<b>Model No.</b>	RM G06A2.250.D RM G06A2.750.D RM G06A2.1000.D	RM G02A2.250.D RM G02A2.350.D	RM G3600.250.A2.D
<b>Application</b>	eFat	eCity, eTour	eCity
<b>Size</b>			
A (mm)	68	45	45
B (mm)	145	145	123
C (mm)	44	44	44
D (mm)	15.25	15.25	15.25
E (mm)	26	7.5	10
OLD (mm)	175	148	138
<b>Core Data</b>			
Wheel Size (Inch)	20 / 26(Fat tire)	26 / 700C / 28	26 / 700C / 28
Nominal Voltage (Vdc)	36 / 48, 48 / 52, 48 / 52	36 / 48, 48	36 / 48
Rated Power (W)	250, 750, 1000	250, 350	250
Max Speed (km/h)	25 / 32, 45, 45 / 45+	25 / 32	25 / 32
Max Torque (N.m)	55, 80, 95	45, 50	40
Color	Black	Black	Black
Weight (kg)	4.8, 5.4, 5.4	4.1	3.2
<b>Mounting Parameters</b>			
Brake	Disc-Brake	Disc-Brake	Disc-Brake
Cabling Route	Shaft Side_Left	Shaft Side_Left	Shaft Side_Left
Cable Length(mm), Connection Type	250 G9.1, 250 G11.2, 250 G11.6	250 G9.1	250 G9.1
Spoke Specification	36H*12G	36H*13G	36H*13G
Sprocket Wheel	Single - 16T / 18T / 20T / 22T	Single - 16T / 18T / 20T / 22T	Single - 16T / 18T / 20T
Throttle	Optional	Optional	N/A
<b>Special Function</b>	Automatic Dual Speed	Automatic Dual Speed	Automatic Dual Speed
<b>Tests &amp; Certifications</b>	IP X6 ROHS / CE / UL2849	IP X6 ROHS / CE / UL2849	IP X6 ROHS / CE / UL2849



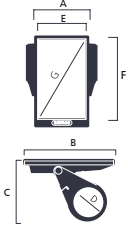
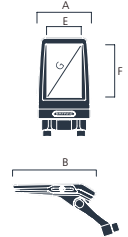
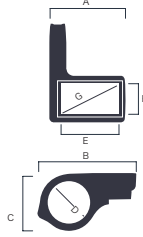
## G300A

## G500A

<b>Model No.</b>	RG A310.D	RG A510.D
<b>Position</b>	Rear Wheel	Rear Wheel
<b>Application</b>	eCity / eTour	eFat
<b>Size</b>		
A (mm)	50	71
B (mm)	87	110
C (mm)	44	44
D (mm)	15.25	15.25
OLD (mm)	135	175 / 190
<b>Core Data</b>		
Gearshift Method	Auto	Auto
Gear No.	3	5
Reduction ratio	1 : 1.30 : 1.65	1 : 1.33 : 1.81 : 2.46 : 3.35
Max Allowable Torque (N.m)	100	200
Wheel Size (Inch)	16 / 20 / 24 / 26 / 700C / 28	20 / 26(Fat tire)
Color	Silver / Black	Red / Black
Weight (kg)	1.7	3.7
<b>Mounting Parameters</b>		
Brake	Disc-Brake	Disc-Brake
Spoke Specification	36H*13G	36H*12G
Sprocket Wheel	Single - 16T / 18T / 20T / 22T , Belt	Single - 26T / 30T
<b>Tests &amp; Certifications</b>	Waterproof: IP X6	Certifications: ROHS / CE

# HMI



Model No.	DP C010.CB DP C010.CN	DP C263.CAN	DP C244.CAN DP C245.CAN
<b>Dimensions/ Size</b>			
A (mm)	59.5	51.3	57
B (mm)	98.8	79.2	73.3
C (mm)	60 - 82	-	43.5
D (mm)	Ø 35	-	Ø 35
E (mm)	51.8	37.5	42.7
F (mm)	86.4	49.7	22.7
G (Inch)	4.0"	2.4"	1.9"
<b>Core Data</b>			
Display Type	TFT	TFT	TFT
Nominal Voltage (Vdc)	36 / 48 / 52 / 60 / 72	36 / 48 / 52	36 / 48
Support Modes	4 modes / 6 modes	0 - 5	4 modes / 6 modes
<b>Mounting Parameters</b>			
Holder Diameter (mm)	Ø 22.2 / 25.4 / 31.8 / 35	-	Ø 25.4 / 31.8 / 35
Cable Length (mm), Connector Type	230 G5.4 / 850 G5.4	230 G5.4 / 850 G5.4	0 G5.4
Control Unit Cable (mm)	300 / 250	300 / 350	300 / 350
<b>Functions</b>			
ON/OFF	●	●	●
Mode	●	●	●
Light Control	Auto / Manual	Manual	Auto / Manual
Walk Assistance	●	●	●
Bluetooth 5.0	●	●	✗ ●
USB Charge	5V 1A (Type C)	✗	5V 500mA (Type C)
Clock	●	✗	✗
Setting	●	●	●
Special Function	- , Navigation & Findmy	-	-
<b>Indications</b>			
Error Code	●	●	●
Power	●	●	●
UI Options	3	1	1
Languages	EN / DE / NL / FR / IT / CZ	EN	EN / DE / NL / FR / IT / CZ
<b>Tests &amp; Certifications</b>	IP X6 CE / EN 15194 / UL2849 / REACH / ROHS	IP X5 CE / EN 15194 / REACH / ROHS	IP X6 CE / EN 15194 / UL2849 / REACH / ROHS

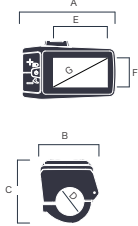

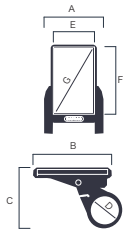
# HMI

NEW



NEW



Model No.	DP C080.C DP C080.CB	DP C030.CA	DP C020.C
<b>Dimensions/ Size</b>			
A (mm)	74.4	36	58.4
B (mm)	46.7	16	98.4
C (mm)	50.7	79.9	75.7
D (mm)	Ø 22.2	-	Ø 35
E (mm)	42.7	30.3	44.4
F (mm)	22.7	-	76
G (Inch)	1.9"	1.9"	3.5"
<b>Core Data</b>			
Display Type	TFT	TFT	LCD Segment + Matrix
Nominal Voltage (Vdc)	36 / 48 / 52	36 / 48 / 52	36 / 48 / 52
Support Modes	4 modes / 6 modes	4 modes / 6 modes	0 - 5
<b>Mounting Parameters</b>			
Holder Diameter (mm)	Ø 22.2	-	Ø 22.2 / 25.4 / 31.8 / 35
Cable Length (mm), Connector Type	230 G5.4 / 850 G5.4	100 G5.4	230 G5.4
Control Unit Cable (mm)	-	500	300 / 350
<b>Functions</b>			
ON/OFF	●	●	●
Mode	●	●	●
Light Control	Auto / Manual	Auto / Manual	Auto / Manual
Walk Assistance	●	●	●
Bluetooth 5.0	✕ ●	✕ ●	✕
USB Charge	5V 500mA (Type C)	-	-
Clock	✕	✕	✕
Setting	●	●	●
Special Function	-	-	-
<b>Indications</b>			
Error Code	●	●	●
Power	●	●	●
UI Options	2	1	1
Languages	EN / DE / NL / FR / IT / CZ	EN / DE / NL / FR / IT / CZ	EN
<b>Tests &amp; Certifications</b>	IP X7 CE / EN 15194 / UL2849 / REACH / ROHS	IP X6 CE / EN 15194 / REACH / ROHS	IP X5 CE / EN 15194 / REACH / ROHS

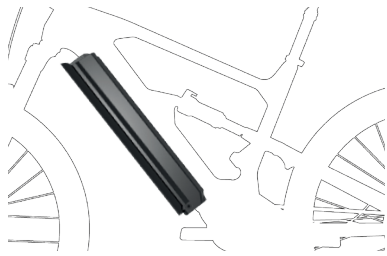


# HMI



Model No.	DP E165.CAN	DP E160.CAN DP E161.CAN	DP E180.CAN DP E181.CAN	DP E170.CAN DP E171.CAN
<b>Dimensions/ Size</b>				
A (mm)	23.3	23	31.5	30
B (mm)	58.5	45.2	51	46
C (mm)	19	49.3	52.2	39.4
D (mm)	-	Ø 22.2	Ø 22.2	18
E (mm)	-	-	-	29.6
<b>Core Data</b>				
Display Type	LED	LED	LED	LED
Nominal Voltage (Vdc)	36 / 48	36 / 48	36 / 48	36 / 48
Support Modes	0 - 5	0 - 5	0 - 5	1 - 3
<b>Mounting Parameters</b>				
Holder Diameter (mm)	-	Ø 22.2	Ø 22.2	-
Cable Length (mm), Connector Type	230 G5.4.2 / 850 G5.4.2	230 G5.4.2 / 850 G5.4.2	230 G5.4.2 / 850 G5.4.2	300 G5.4 / 850 G5.4
Control Unit Cable (mm)	-	-	-	-
<b>Functions</b>				
ON/OFF	●	●	●	●
Mode	●	●	●	●
Light Control	Auto / Manual	Auto / Manual	Auto / Manual	Manual
Walk Assistance	×	●	●	×
Bluetooth 5.0	●	× ●	× ●	× ●
USB Charge	×	×	×	×
Clock	×	×	×	×
Setting	×	×	×	×
Special Function	-	-	-	-
<b>Indications</b>				
Error Code	●	●	●	●
Power	×	×	×	×
UI Options	×	×	×	×
Languages	-	-	-	-
<b>Tests &amp; Certifications</b>	IP X6 CE / EN 15194 / REACH / ROHS	IP X6 CE / EN 15194 / REACH / ROHS	IP X5 CE / EN 15194 / REACH / ROHS	IP X6 CE / EN 15194 / REACH / ROHS

# BATTERY



EN 50604  
Optional

**Model No.** BT F350.D720

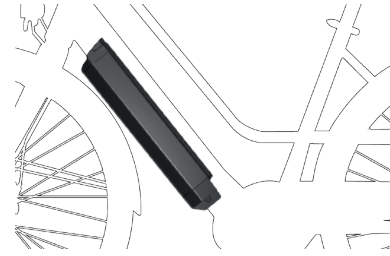


A (mm)	437
B (mm)	100
C (mm)	75.2

**Specifications**

Nominal Voltage (Vdc)	48
Energy (Wh)	748
Rated Capacity (Ah)	15.6
S	13
P	3
CELL	21700
Charger	3A

**Tests & Certifications** UL2271 / UN38.3 / MSDS



EN 50604  
Optional

**Model No.** BT F010.D720.C

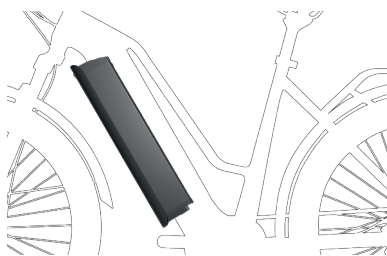


A (mm)	398
B (mm)	74
C (mm)	83

**Specifications**

Nominal Voltage (Vdc)	48
Energy (Wh)	748
Rated Capacity (Ah)	15.6
S	13
P	3
CELL	21700
Charger	3A

**Tests & Certifications** UL2271 / UN38.3 / MSDS



EN 50604  
Optional

**Model No.** BT F781.D720.C

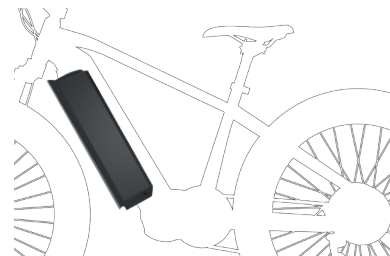


A (mm)	409
B (mm)	96
C (mm)	89

**Specifications**

Nominal Voltage (Vdc)	48
Energy (Wh)	748
Rated Capacity (Ah)	15.6
S	13
P	3
CELL	21700
Charger	3A

**Tests & Certifications** UL2271 / UN38.3 / MSDS



EN 50604  
Optional

**Model No.** BT F381.D720  
BT F381.D960



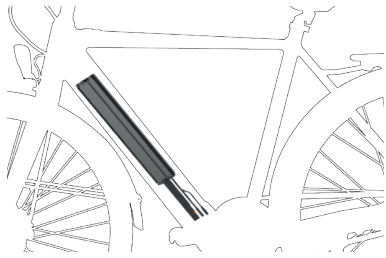
A (mm)	427
B (mm)	79 / 116
C (mm)	96

**Specifications**

Nominal Voltage (Vdc)	48
Energy (Wh)	748 / 998
Rated Capacity (Ah)	15.6 / 20.8
S	13
P	3 / 4
CELL	21700
Charger	3A

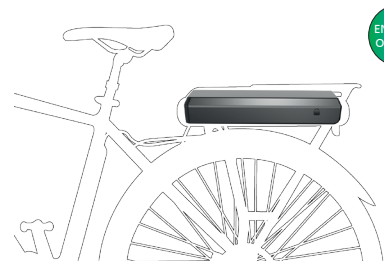
**Tests & Certifications** UL2271 / UN38.3 / MSDS

# BATTERY



EN 50604  
Optional

<b>Model No.</b>	BT F100.B360.C
<b>Dimensions/Size</b>	
A (mm)	403
B (mm)	52
C (mm)	63
<b>Specifications</b>	
Nominal Voltage (Vdc)	36
Energy (Wh)	374
Rated Capacity (Ah)	10.4
S	10
P	2
CELL	21700
Charger	2A / 3A
<b>Tests &amp; Certifications</b>	UN38.3 / MSDS / 13849

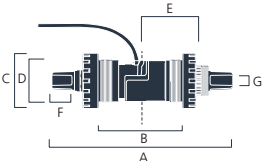
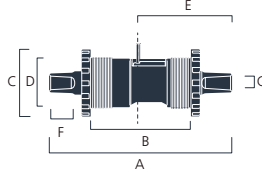



EN 50604  
Optional

<b>Model No.</b>	BT C02.B720.C
<b>Dimensions/Size</b>	
A (mm)	412
B (mm)	130
C (mm)	70
<b>Specifications</b>	
Nominal Voltage (Vdc)	36
Energy (Wh)	630
Rated Capacity (Ah)	17.5
S	10
P	5
CELL	18650
Charger	3A / 4A
<b>Tests &amp; Certifications</b>	UN38.3 / MSDS / 13849

# SENSOR



<b>Model No.</b>	SR PA222.32.ST SR PA232.32.ST SR PA242.32.ST SR PA252.32.ST SR PA262.32.ST	SR PA112.32.S SR PA121.32.S SR PA131.32.S SR PA142.32.S	SR PA051.12.S
<b>Dimensions/Size</b>			
A (mm)	176, 148, 160, 186, 196	127, 119, 124, 136.5	43.8
B (mm)	100, 73 / 68, 84, 110, 120	68, 68, 68, 73	54
C (mm)	2-Ø 44	2 - Ø 45.5	9.6
D (mm)	2-BC1.37"*24T	2 - BC1.37"*24T	Ø15.2
E (mm)	63.5, 50, 55.5, 68.5, 73.5	63.8, 57.5, 60.7, 64.3	-
F (mm)	2-17	2 - 17	-
G (mm)	2-M8*P1*25	2 - M8*P1*25	-
<b>Core Data</b>			
Type	Cadence & Torque	Cadence Sensor	Cadence Sensor
Signals (Pulses/Cycle)	32	32	12
Shaft Standard	JIS	JIS	-
<b>Mounting Parameters</b>			
Mounting Position	Bottom Bracket	Bottom Bracket	Bottom Bracket Shaft
Cap Material	Plastic	Plastic	-
Cable Length (mm), Connector Type	150 G6.4.2 / 950 G6.4.2	150 G6.5.4 / 950 G6.5.4	150 G6.5.4 / 950 G6.5.4
<b>Tests &amp; Certifications</b>	EN 15194 / EN 14764 / UL2849 / ROHS	EN 15194 / EN 14764 / UL2849 / ROHS	EN 15194 / EN 14764 / UL2849 / ROHS

# SENSOR



Model No.	SR SD021.01	SR SD071.02	SR 502
<b>Dimensions/ Size</b>			
A (mm)	10 - 20	5 - 10	5 - 10
B (mm)	5.5	10	67
C (mm)	-	18	18
D (mm)	-	16.25	16.25
<b>Core Data</b>			
Type	Wheel Speed Sensor	Wheel Speed Sensor	Wheel Speed Sensor
<b>Mounting Parameters</b>			
Mounting Position	Chain Stay & Spoke	Chain Stay & Disc Brake	Chain Stay & Disc Brake with Centerlock
Cable Length(mm), Connector Type	100 G4.3 550 3104A1004 550 G8.5.3	100 G4.3.2 550 G8.5.4	100 G4.3.2 550 G8.5.4
<b>Tests &amp; Certifications</b>		Certifications: EN 15194 / ROHS	

# CONTROLLER



Model No.	CR S307.1000.FC	CR C101.C	CR A101.C
<b>Dimensions/ Size</b>			
A (mm)	152	110	78.5
B (mm)	52	56	47
C (mm)	29	34	29
<b>Core Data</b>			
Nominal Voltage (Vdc)	48 / 52 , 48 / 52	36 / 43 / 48 , 48 / 52	36 / 43 / 48 , 36 / 43 / 48
Low Voltage Protection(Vdc)	41 / 44 , 41 / 44	32 / 38 / 41 , 41 / 44	32 / 38 / 41 , 32 / 38 / 41
Current Limit (A)	25 / 21 , 30 / 28	25 / 22 / 20 , 22 / 20	15 / 13 / 12 , 18 / 15 / 14
Rated Power (W)	750 , 1000	500 , 750	250 , 350
<b>Mounting Parameters</b>			
Com. Protocol	CAN	CAN	CAN
E-Brake	Optional	Optional	Optional
Throttle	Optional	Optional	Optional
IOT	Optional	Optional	Optional
<b>Further Specifications</b>			
Walk Assistance (km/h)	4.5	4.5	4.5
Light Drive Capacity (Vdc/W)*	6 / 12 (max) 12 / 24 (max) 48 / 48 (max)	6 / 12 (max) 12 / 24 (max) 48 / 48 (max)	6 / 6 (max) 12 / 12 (max) 48 / 48 (max)
<b>Tests &amp; Certifications</b>	Waterproof: IP X6    Certifications: CE / EN 15194 / UL2849 / ROHS		

\* 48V refers to rated voltage of battery.

**Please note:** Controller in this catalog is standard model, for other options, please confirm with sales staff.

# ACCESSORIES

## CHAINWHEEL



Model No.	CW G532.1A	CW G510.1A	CW G510.1B	CW G522.1A
<b>Core Data</b>				
Suitability	M820	M620	M620	M510 / M560
Teeth Number(XX)	44T	40T , 42T , 44T , 48T , 52T	40T , 42T , 44T , 52T	32T , 40T
Chain Line	49	70	48	53
Thickness(X/XX")	Narrow Wide System	Narrow Wide System	Narrow Wide System	Narrow Wide System
Spider Style	4 (∅ 110)	5 (∅ 130)	5 (∅ 130)	4 (∅ 104)
Chain Guard	N/A	Optional	Optional	N/A



Model No.	CW G522.1C	CW G332.1A	CW G332.1B	CW G332.1C
<b>Core Data</b>				
Suitability	M510 / M560	M420	M420	M420
Teeth Number(XX)	34T	38T	38T	38T , 42T , 44T
Chain Line	53	48	45	49
Thickness(X/XX")	Narrow Wide System	1/8" , 3/32" , 11/128"	1/8" , 3/32" , 11/128"	3/32" , 11/128"
Spider Style	-	-	4 (∅104)	4 (∅104)
Chain Guard	N/A	N/A	Optional	Optional



Model No.	CW G333.1B	CW G210.1A
<b>Core Data</b>		
Suitability	M410	M210
Teeth Number(XX)	38T	38T , 44T
Chain Line	53	49
Thickness(X/XX")	Narrow Wide System	3/32" , 11/128"
Spider Style	4 (∅ 110)	4 (∅ 104)
Chain Guard	N/A	Optional

# ACCESSORIES

## CHAINWHEEL



Model No.	CW G210.1B	CW G210.1C	CW PA211.1A
<b>Core Data</b>			
Suitability	M210	M210	SR PA2XX.32.ST
Teeth Number(XX)	38T , 44T	38T	34T , 36T , 38T , 42T , 44T , 48T
Chain Line	45	48	47.5(68) , 63.5(100) , 50(73) , 55.5(84) , 68.5(110) , 73.5(120)
Thickness(X/XX")	1/8" , 3/32" , 11/128"	1/8" , 3/32" , 11/128"	1/8" , 3/32" , 11/128"
Spider Style	4 (∅ 104)	-	4 (∅ 104)
Chain Guard	Optional	N/A	Optional



Model No.	CW PA211.1B
<b>Core Data</b>	
Suitability	SR PA2XX.32.ST
Teeth Number(XX)	48T , 50T , 52T
Chain Line	47.5(68) , 63.5(100)
Thickness(X/XX")	1/8" , 3/32" , 11/128"
Spider Style	5 (∅ 130)
Chain Guard	Optional



# ACCESSORIES

## CRANK



<b>Model No.</b>	CK ISIS01.170P / 165P
<b>Core Data</b>	
Shaft Standard	ISIS
Suitability	M820 (MTB / Road)



<b>Model No.</b>	CK ISIS02.170P
<b>Core Data</b>	
Shaft Standard	ISIS
Suitability	M620 (Fat)



<b>Model No.</b>	CK ISIS03.170P
<b>Core Data</b>	
Shaft Standard	ISIS
Suitability	M620 (Cargo)



<b>Model No.</b>	CK BF01.170P
<b>Core Data</b>	
Shaft Standard	BAFANG
Suitability	M560 / M510 / M420



<b>Model No.</b>	CK BF02.170P / 165P
<b>Core Data</b>	
Shaft Standard	BAFANG
Suitability	M560 / M510 / M420



<b>Model No.</b>	CK JIS01.170P
<b>Core Data</b>	
Shaft Standard	JIS
Suitability	M410 / M210



<b>Model No.</b>	CK JIS02.170P
<b>Core Data</b>	
Shaft Standard	JIS
Suitability	M410 (Fat)



<b>Model No.</b>	CK JIS03.170P
<b>Core Data</b>	
Shaft Standard	JIS
Suitability	M210

## THROTTLE



<b>Model No.</b>	TR B01.R.T
<b>Mounting Parameters</b>	
Type	Thumb , Right
Holder (mm)	Ø 22.2
Cable Length (mm), Connection Type	200 M3.10
<b>Tests &amp; Certifications</b>	
Waterproof	IP X5
Certifications	Reach / ROHS / UL2849

## E-BRAKE



<b>Model No.</b>	BR G03.M
<b>Mounting Parameters</b>	
Holder (mm)	Ø 22.2
Cable Length (mm), Connection Type	250 G3.10
<b>Tests &amp; Certifications</b>	
Waterproof	IP X5
Certifications	Reach / ROHS / UL2849

# ACCESSORIES

## MOTOR COVER



<b>Model No.</b>	MD G532.A	MD G510.A	MD G521.B	MD G522.A
<b>Core Data</b>				
Material	PC	PC	PC	PC
Suitability	M820 (FP MMG532.A)	M620	M560 (FP MMG521.B)	M510 (FP MMG521.B)
Color	Black	Black	Black	Black



<b>Model No.</b>	MD G332.A	MD G333.B	MD G210.A
<b>Core Data</b>			
Material	PC	PC	PC
Suitability	M420	M410 (FP MMG521.B)	M210
Color	Black / Silver Gray	Black	Black

# ACCESSORIES

## FIXATION PARTS



<b>Model No.</b>	FP MMG532.A	FP MMG510.A	FP MMG521.B
<b>Core Data</b>			
Suitability	M820	M620	M560 / M510 / M410



<b>Model No.</b>	FP MMG332.A	FP MMG2300.A
<b>Core Data</b>		
Suitability	M420	M210

## BASH GUARD



<b>Model No.</b>	BG G532.A	BG G521.B	BG G333.B
<b>Core Data</b>			
Material	PC	PC	PC
Suitability	M820	M560 / M510 (FP MMG521.B)	M410 (FP MMG521.B)
Color	Black	Black	Black

**Please note:** Specifications are for reference, and subject to change without prior notice, for detail data, pls confirm with sales staff.

