



**ASIA**

**China Headquarter**

Bafang Electric (Suzhou) Co., Ltd.  
No.6 Dongyanli Rd., Suzhou Industrial  
Park 215125, Suzhou

**China**

Bafang New Energy (Suzhou) Co., Ltd.  
No.11-8 Chunxing Rd., Caohu Community,  
Xiangcheng District 215144, Suzhou

Bafang Electric (Suzhou) Co., Ltd. /

Taiwan Office  
8F.-23, No.156, Gaotie 5th Rd., Wuri Dist.,  
Taichung City 414-56, Taiwan

**AMERICA**

**USA**

Bafang Science Inc.  
2530 E. Corporate PL, suite A100,  
Monterey Park, CA 91754

**EUROPE**

**The Netherlands**

Bafang Electric Motor  
Science-Technology B.V.  
Bijsterhuizen 2415,  
6604 LK Wijchen

**Germany**

Bafang Electric GmbH  
Johannes-Liemke-Straße 2  
33161 Hövelhof

**Poland**

Bafang Electric (Poland) sp. z o.o.  
Ul.Logistyczna 8  
55-040 Bielany Wroclawskie, Wroclaw

**France**

Bafang Electric France Branch  
4 Bis Rue du Bois Briard  
91080 Courcouronnes

**Italy**

Bafang Electric Italy Branch  
Via F.Santi n.8  
48123 Ravenna (Ra)

**Denmark**

Bafang Electric Nordic Branch  
Paul Bergsøes Vej 16  
2600 Glostrup

✉ [sales@bafang-e.com](mailto:sales@bafang-e.com)



[www.bafang-e.com](http://www.bafang-e.com)



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**WORKBOOK 2025**

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





**BAFANG**

POWER YOUR LIFE



## CONTENT

### SMART SOLUTION

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BAFANG GO+	➤ 4
BESST Pro	➤ 5








### DRIVE SYSTEM RECOMMENDATION

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### COMPONENTS

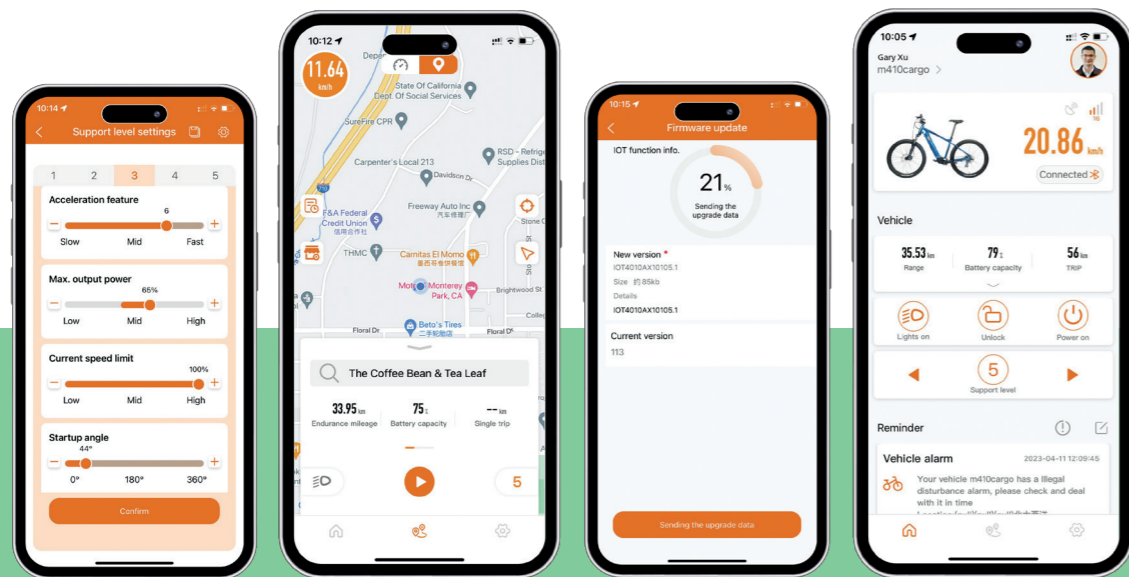
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# BAFANG GO+

## SMART CONNECTIVITY



Custom Settings

Riding map

Software Update

Control Interface

Connected for a safer and more enjoyable cycling journey with remote control, real-time tracking, personalized settings, navigation, and more, all through BAFANG GO+ APP – right on your hand.



IOS



Android

# BESST Pro

## BAFANG E-MOBILITY SALES & SERVICE TOOL



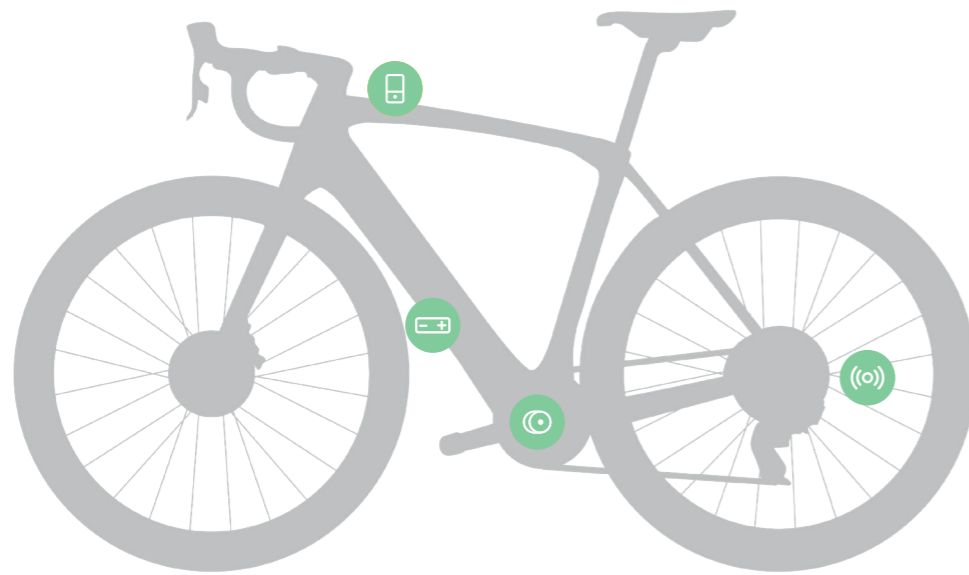
Designed for hassle-free after-sales service. Dealers could rely on Bafang BESST Pro to ensure the eBike system stays up-to-date and reliable, with the features of system diagnostics, firmware updates, diagnostic reports, parameter setting, and more.

# BAFANG M820 MID DRIVE 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 10Ah  
360Wh



### 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 - Frame Mount/Motor Cover/Bash Guard

- FP MMG532.A**  
Frame mount
- MD G532.A**  
Motor cover
- BG G532.A**  
Bash guard



# BAFANG M820 MID DRIVE 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 F100**  
Intube  
36V 10Ah  
360Wh



### 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 - Frame Mount/Motor Cover/Bash Guard

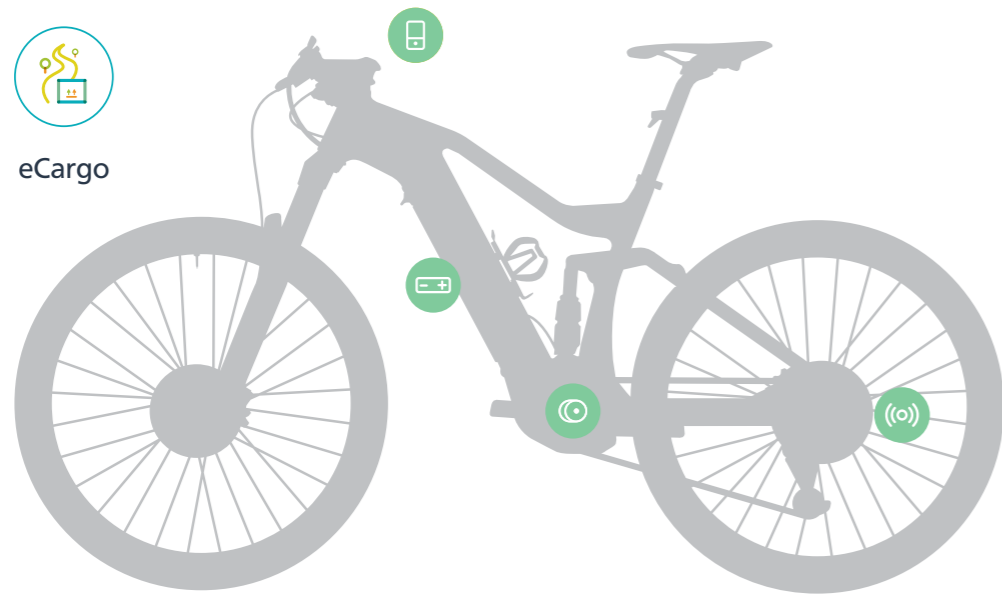
- FP MMG532.A**  
Frame mount
- MD G532.A**  
Motor cover
- BG G532.A**  
Bash guard





# BAFANG M560 MID DRIVE SYSTEM

## DRIVE SYSTEM FOR HEAVY ASSIST eMTB / eCargo



<p><b>MOTOR</b></p> <p><b>MM G5300</b> 750W 140N.m (Max) Light weight &lt; 3.3kg</p> 	<p><b>HMI</b></p> <p><b>DP C245</b> 1.9" TFT display Full-fit screen</p>  <p><b>DP C010</b> 4.0" TFT display Full-fit screen Multi UI options 6 languages</p> 	<p><b>BATTERY</b></p> <p><b>BT F010</b> Fully integrated 48V 15.6Ah 748Wh</p> 
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**SENSOR**

<p><b>SR SD071</b> Chain stay &amp; disc brake</p> 	<p><b>SR S02</b> Chain stay &amp; disc brake with centerlock</p> 
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**ACCESSORIES - Crank**

<p><b>CK BF01.170P</b></p> 	<p><b>CK BF02.170P/165P</b></p> 
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**ACCESSORIES - Chainwheel**

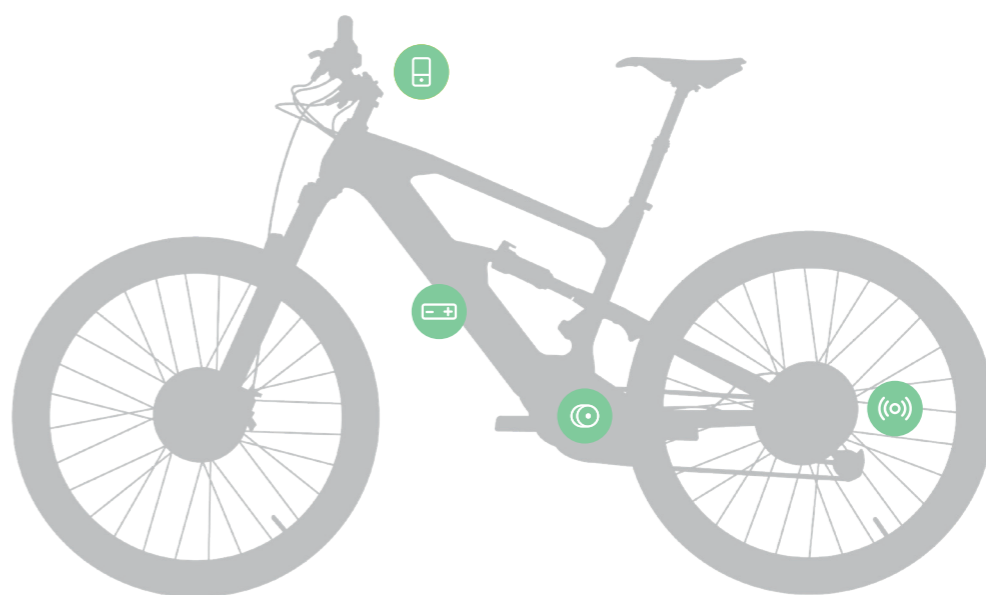
<p><b>CW G522.1A</b> 32/40T, CL53</p> 	<p><b>CW G522.1C</b> 34T, CL53</p> 
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**ACCESSORIES - Frame Mount/Motor Cover/Bash Guard**

<p><b>FP MMG521.B</b> Frame mount</p> 	<p><b>MD G521.B</b> Motor cover</p> 	<p><b>BG G521.B</b> Bash guard</p> 
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# BAFANG M510 MID DRIVE SYSTEM

## DRIVE SYSTEM FOR ALL TERRAIN eMTB



<p><b>MOTOR</b></p> <p><b>MM G522</b> 250W 95N.m (Max) Light weight &lt; 2.9kg</p> 	<p><b>HMI</b></p> <p><b>DP C245</b> 1.9" TFT display Full-fit screen</p> 	<p><b>BATTERY</b></p> <p><b>BT F010</b> Fully integrated 48V 15.6Ah 748Wh</p> 
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**SENSOR**

<p><b>SR SD071</b> Chain stay &amp; disc brake</p> 	<p><b>SR S02</b> Chain stay &amp; disc brake with centerlock</p> 
--	--

**ACCESSORIES - Crank**

<p><b>CK BF01.170P</b></p> 	<p><b>CK BF02.170P/165P</b></p> 
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**ACCESSORIES - Chainwheel**

<p><b>CW G522.1A</b> 32/40T, CL53</p> 	<p><b>CW G522.1C</b> 34T, CL53</p> 
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**ACCESSORIES - Frame Mount/Motor Cover/Bash Guard**

<p><b>FP MMG521.B</b> Frame mount</p> 	<p><b>MD G522.A</b> Motor cover</p> 	<p><b>BG G521.B</b> Bash guard</p> 
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# BAFANG M410 MID DRIVE SYSTEM

## DRIVE SYSTEM FOR eTour (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 F780**  
Fully integrated  
36V 17.5Ah  
630Wh



### GEAR HUB

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



### SENSOR

**SR 502**  
Chain stay &  
disc brake with  
centerlock



### ACCESSORIES - Chainwheel

**CW G333.1B**  
38T, CL 53



### ACCESSORIES - Crank

**CK JIS04.170P**



### ACCESSORIES - Sprocket

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



### ACCESSORIES - Frame Mount/Motor Cover/Bash Guard

**FP MMG521.B**  
Frame mount



**MD G333.B**  
Motor cover



**BG G333.B**  
Bash guard



# BAFANG M210 MID DRIVE SYSTEM

## DRIVE SYSTEM FOR 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 F870**  
Fully integrated  
36V 15Ah  
540Wh



### GEAR HUB

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



### SENSOR

**SR 502**  
Chain stay & disc brake  
with centerlock



### ACCESSORIES - Chainwheel

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



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



### ACCESSORIES - Sprocket

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



### ACCESSORIES - Frame Mount/Motor Cover/Bash Guard

**FP MMG2300.A**  
Frame mount



**MD G210.A**  
Motor cover



### ACCESSORIES - Crank

**CK JIS04.170P**





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



### BATTERY



**BT F100**  
Intube  
36V 10Ah  
360Wh



### SENSOR



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



### CONTROLLER



**CR A101.C**

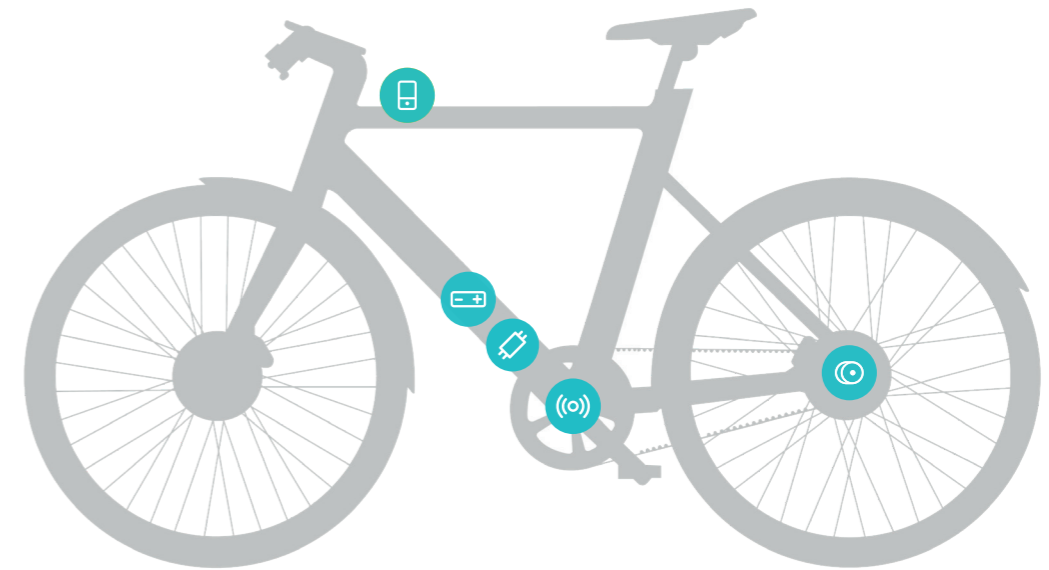


# BAFANG H410 REAR DRIVE SYSTEM

## DRIVE SYSTEM FOR eCity (eUrban)



eCity



### MOTOR



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



### HMI



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



### BATTERY



**BT F040**  
Intube  
36V 10Ah  
360Wh



### SENSOR



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



### CONTROLLER



**CR X30T.250.FC**



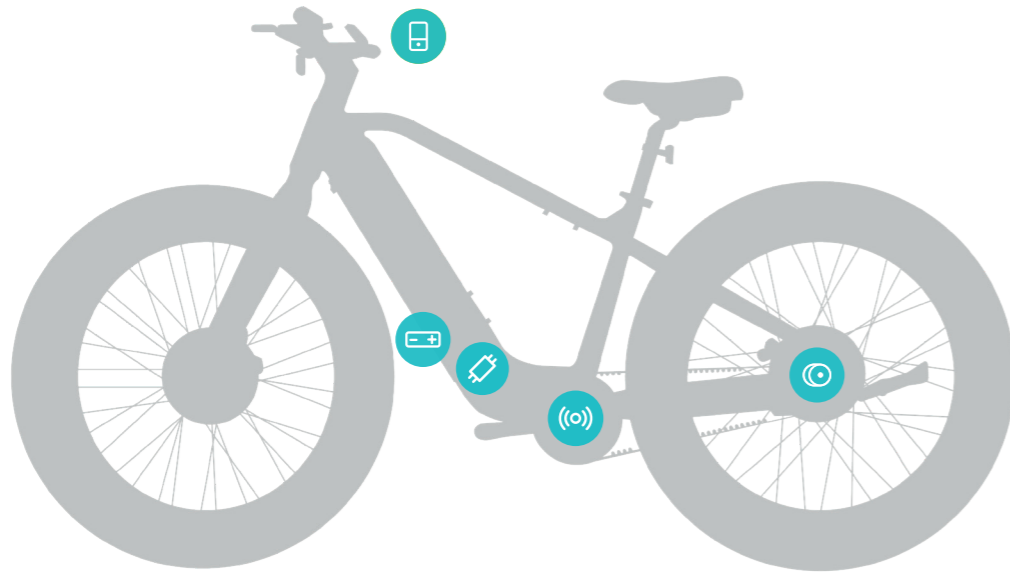


# BAFANG H720 REAR DRIVE SYSTEM

## 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 PA222.32.ST**  
Torque & cadence  
sensor



### CONTROLLER



**CR S307.1000.FC**



# MOTOR



NEW

## M820

## M620

## M560

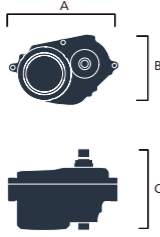
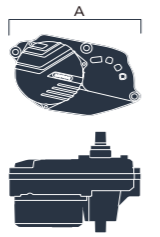
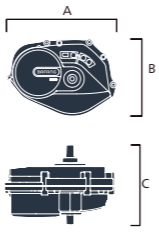
	M820	M620	M560
<b>Position</b>	Mid Motor	Mid Motor	Mid Motor
<b>Model No.</b>	MM G532.250.C	MM G510.750.C MM G510.1000.C	MM G5300.500.C MM G5300.750.C
<b>Application</b>	eRoad , eGravel , eMTB	eCargo , eFat	eCargo , eMTB , eSpeed
<b>Dimensions/ Size</b>			
A (mm)	167	235	197
B (mm)	117	138	125
C (mm)	147.6	150	154.8
<b>Core Data</b>			
Wheel Size (Inch)	20 - 29	20 - 29	20 - 29
Nominal Voltage (Vdc)	36 / 48	48 / 52	48
Rated Power (W)	250	750 , 1000	500 , 750
Speed (km/h)	25 / 32 / 45	25 / 32 / 45	25 / 32 / 45
Max Torque (N.m)	75	140 , 160	130 , 140
Pedal Sensor	Cadence & Torque	Cadence & Torque	Cadence & Torque
Shaft Standard	ISIS	ISIS	BAFANG
Color	Black	Black	Black
Weight (kg)	2.3	6.7	3.3
<b>Function</b>			
Smart mode*	-	-	Yes
E-Brake	Optional	Optional	Optional
Throttle	N/A	Optional	Optional
Light Drive Capacity (Vdc/W)	12 / 6(max)	12 / 12(max)	12 / 6(max)
Chain Guide	-	-	ISCG05
<b>Tests &amp; Certifications</b>	IP X6 / CE	IP X5 / CE / UL2849	IP X6 / CE / UL2849

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

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

# MOTOR



	M510	M410	M210
<b>Position</b>	Mid Motor	Mid Motor	Mid Motor
<b>Model No.</b>	MM G522.250.C	MM G333.250.C	MM G2300.250.C
<b>Application</b>	eMTB	eMTB , eSUV , eCargo	eCity , eTour
<b>Dimensions/ Size</b>			
	A (mm)	197	197
B (mm)	125	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 (km/h)	25 / 32	25 / 32	25
Max Torque (N.m)	95	80	70
Pedal Sensor	Cadence & Torque	Cadence & Torque	Cadence & Torque
Shaft Standard	BAFANG	JIS	JIS
Color	Black	Black	Black
Weight (kg)	2.9	3.3	3.2
<b>Function</b>			
Smart mode*	Yes	-	Yes
E-Brake	Optional	Optional	Optional
Throttle	N/A	N/A	N/A
Light Drive Capacity (Vdc/W)	12 / 6(max)	12 / 6(max)	12 / 6(max)
Chain Guide	ISCG05	6 bolt	6 bolt
<b>Tests &amp; Certifications</b>	IP X6 / CE	IP X6 / CE / UL2849	IP X6 / CE

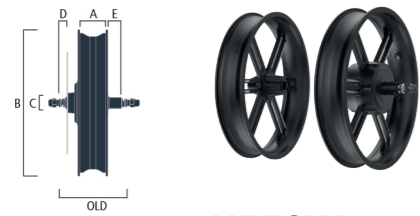
# MOTOR



	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 , eMTB	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(Fat tire)
Nominal Voltage (Vdc)	48	36	48 / 52
Rated Power (W)	750	250	1000
Speed (km/h)	45	25	45 / 45+
Max Torque (N.m)	80	30	95
Color	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	8 - 10	8 - 10	8 - 10
Throttle	Optional	N/A	Optional
<b>Tests &amp; Certifications</b>	IP X6 / CE / UL2849	IP X6 / CE	IP X6 / CE

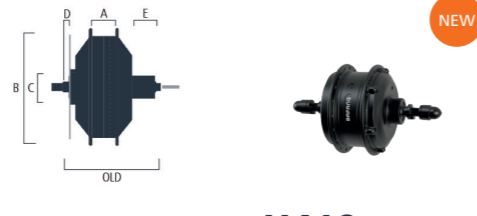


# MOTOR



## 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
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	-
Sprocket	6 - 7, 8 - 10
Throttle	Optional
<b>Tests &amp; Certifications</b>	IP X6 / 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
Speed (km/h)	25
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	belt
Throttle	N/A
<b>Tests &amp; Certifications</b>	IP X6 / CE

## H405

<b>Position</b>	Rear Motor
<b>Model No.</b>	RM G0210.250.D/DC RM G0210.350.D/DC
<b>Application</b>	eCity, eTour
<b>Size</b>	
A (mm)	40
B (mm)	145
C (mm)	44
D (mm)	15.25
E (mm)	38 / 39.4
OLD (mm)	138 / 143
<b>Core Data</b>	
Wheel Size (Inch)	700C / 28
Nominal Voltage (Vdc)	36, 48
Rated Power (W)	250, 350
Speed (km/h)	25, 25 / 32
Max Torque (N.m)	50, 55
Color	Black
Weight (kg)	3.4
<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	7 - 9
Throttle	N/A
<b>Tests &amp; Certifications</b>	IP X6 / CE

# MOTOR

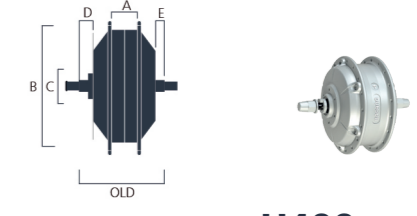


## H400

<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
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	8 - 10
Throttle	N/A
<b>Tests &amp; Certifications</b>	IP X6 / CE

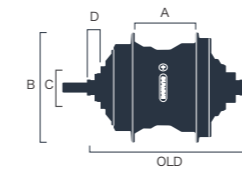
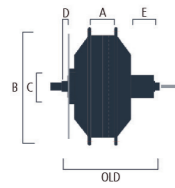
## H305

<b>Position</b>	Rear Motor
<b>Model No.</b>	RM G0100.250.D/DC RM G0100.350.D/DC
<b>Application</b>	eCity, eTour
<b>Size</b>	
A (mm)	41
B (mm)	128
C (mm)	44
D (mm)	15.25
E (mm)	38.5 / 39.6
OLD (mm)	138
<b>Core Data</b>	
Wheel Size (Inch)	26 / 700C / 28
Nominal Voltage (Vdc)	36 / 48
Rated Power (W)	250, 350
Speed (km/h)	25, 25 / 32
Max Torque (N.m)	35, 45
Color	Black
Weight (kg)	3.1
<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	7 - 8
Throttle	N/A
<b>Tests &amp; Certifications</b>	IP X6 / CE / UL2849



## 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)	26 / 700C / 28
Nominal Voltage (Vdc)	36
Rated Power (W)	250
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 / CE



	<b>H720</b>	<b>H710</b>	<b>H700</b>
<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
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	Single - 16T / 18T / 20T / 22T, belt	Single - 16T / 18T / 20T / 22T, belt	Single - 16T / 18T / 20T, belt
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 / CE / UL2849	IP X6 / CE / UL2849	IP X6 / CE / UL2849

	<b>G300A</b>	<b>G500A</b>
<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	Single - 16T / 18T / 20T / 22T, Belt	Single - 26T / 30T
<b>Tests &amp; Certifications</b>	IP X6 / CE	IP X6 / CE



# HMI



Model No.	DP C010.CN	DP C263.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	36 / 48 / 52	36 / 48 / 52
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)	250 / 300 / 350	250 / 300 / 380	250 / 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 & Find My	-	-
<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 / UL2849	IP X5 / CE	IP X6 / CE / UL2849

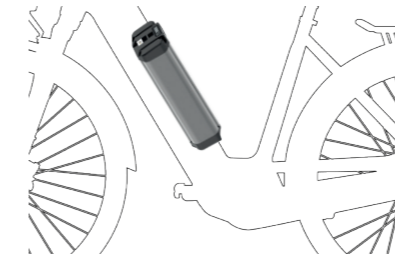
# HMI



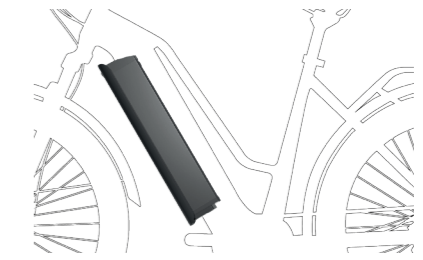
Model No.	DP C080.C DP C080.CB	DP C030.CA	DP C020.C	DP C381.CAN
<b>Dimensions/ Size</b>				
A (mm)	74.4	36	58.4	68.7
B (mm)	46.7	16	98.4	81.1
C (mm)	50.7	79.9	58-87	58-85
D (mm)	Ø 22.2	-	Ø 35	Ø 31.8
E (mm)	42.7	22.7	44.4	33
F (mm)	22.7	42.7	76	42.5
G (Inch)	1.9"	1.9"	3.5"	2"
<b>Core Data</b>				
Display Type	TFT	TFT	LCD Segment + Matrix	LCD Segment
Nominal Voltage (Vdc)	36 / 48 / 52	36 / 48 / 52	36 / 48 / 52	36 / 48 / 52
Support Modes	4 modes / 6 modes	4 modes / 6 modes	0 - 5	0 - 5
<b>Mounting Parameters</b>				
Holder Diameter (mm)	Ø 22.2	-	Ø 22.2 / 25.4 / 31.8 / 35	Ø 22.2 / 25.4 / 31.8
Cable Length (mm), Connector Type	230 G5.4 / 850 G5.4	100 G5.4	230 G5.4	230 G5.4.2 / 850 G5.4.2
Control Unit Cable (mm)	-	500	250 / 300 / 350	250 / 300 / 350
<b>Functions</b>				
ON/OFF	●	●	●	●
Mode	●	●	●	●
Light Control	Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual
Walk Assistance	●	●	●	●
Bluetooth 5.0	× ●	●	×	●
USB Charge	×, 5V 500mA (Type C)	-	-	×
Clock	×	×	×	×
Setting	●	●	●	●
Special Function	-	ANT+	-	-
<b>Indications</b>				
Error Code	●	●	●	●
Power	●	●	●	●
UI Options	2	1	1	1
Languages	EN / DE / NL / FR / IT / CZ	EN / DE / NL / FR / IT / CZ	EN	EN
<b>Tests &amp; Certifications</b>	IP X7 / CE / UL2849	IP X6 / CE	IP X5 / CE	IP X6 / CE



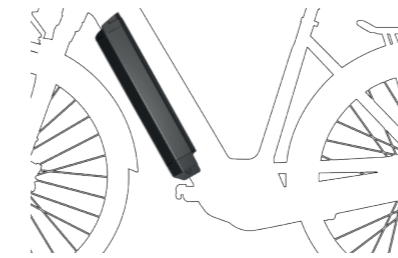
Model No.	DP E165.CAN	DP E160.CAN DP E161.CAN	DP E180.CAN DP E181.CAN	DP E170.CAN DP E171.CAN
<b>Dimensions/Size</b>				
A (mm)	23.3	23	31.5	30
B (mm)	58.5	45.2	51	46
C (mm)	19	49.3	52.2	39.4
D (mm)	-	Ø 22.2	Ø 22.2	18
E (mm)	-	-	-	29.6
<b>Core Data</b>				
Display Type	LED	LED	LED	LED
Nominal Voltage (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	1	1	×	×
Languages	-	-	-	-
<b>Tests &amp; Certifications</b>	IP X6 / CE	IP X6 / CE	IP X5 / CE	IP X6 / CE



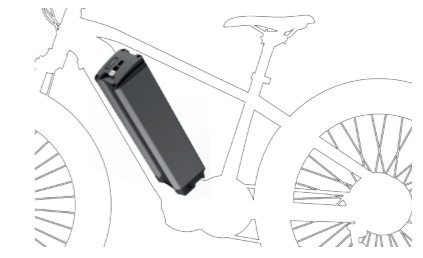
Model No.	BT F870.B540.C
<b>Dimensions/Size</b>	
A (mm)	372
B (mm)	92
C (mm)	75
<b>Removing Type</b>	Up
<b>Specifications</b>	
Nominal Voltage (Vdc)	36
Energy (Wh)	540
Rated Capacity (Ah)	15
S / P / CELL	10 / 3 / 21700
Charger	3A
<b>Tests &amp; Certifications</b>	IP X7 / UN38.3 / MSDS / CE / ISO13849 / EN50604



Model No.	BT F780.B561.C
<b>Dimensions/Size</b>	
A (mm)	409
B (mm)	96
C (mm)	89
<b>Removing Type</b>	Down
<b>Specifications</b>	
Nominal Voltage (Vdc)	36
Energy (Wh)	630
Rated Capacity (Ah)	17.5
S / P / CELL	10 / 5 / 18650
Charger	3A
<b>Tests &amp; Certifications</b>	IP X7 / UN38.3 / MSDS / CE / ISO13849 / EN50604



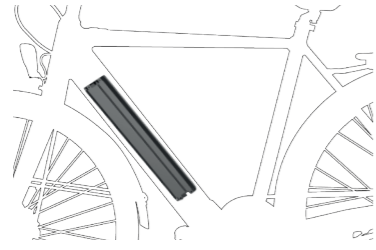
Model No.	BT F011.B720.C BT F011.B540.C
<b>Dimensions/Size</b>	
A (mm)	398
B (mm)	74
C (mm)	83
<b>Removing Type</b>	Down / Up
<b>Specifications</b>	
Nominal Voltage (Vdc)	36
Energy (Wh)	720 , 540
Rated Capacity (Ah)	20 , 15
S / P / CELL	10 / 4 , 3 / 21700
Charger	3A
<b>Tests &amp; Certifications</b>	IP X6 / UN38.3 / MSDS / CE / ISO13849 / EN50604

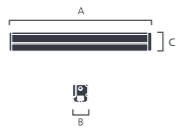


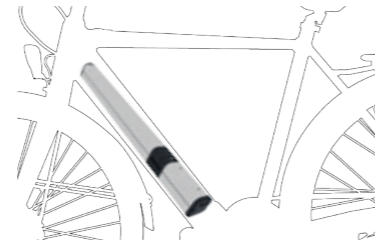
Model No.	BT F880.B900.C
<b>Dimensions/Size</b>	
A (mm)	448
B (mm)	110
C (mm)	87
<b>Removing Type</b>	Up
<b>Specifications</b>	
Nominal Voltage (Vdc)	36
Energy (Wh)	900
Rated Capacity (Ah)	25
S / P / CELL	10 / 5 / 21700
Charger	3A
<b>Tests &amp; Certifications</b>	IP X7 / UN38.3 / MSDS / CE / ISO13849 / EN50604

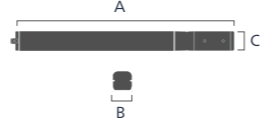


# BATTERY

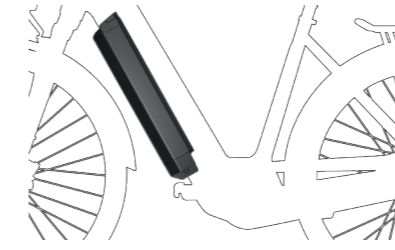


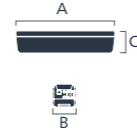
<b>Model No.</b>	BT F100.B360.C BT F100.B417.C
<b>Dimensions/Size</b>	
A (mm)	403
B (mm)	52
C (mm)	63
<b>Removing Type</b>	Bottom
<b>Specifications</b>	
Nominal Voltage (Vdc)	36
Energy (Wh)	360 / 417
Rated Capacity (Ah)	10 / 11.6
S / P / CELL	10 / 2 / 21700
Charger	2A / 3A
<b>Tests &amp; Certifications</b>	IP X7 / UN38.3 / MSDS / CE / ISO13849 / EN50604 / UL2271

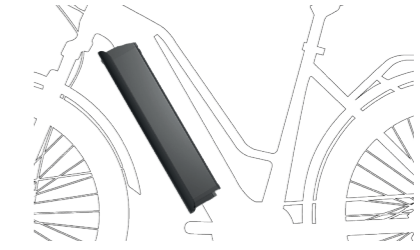


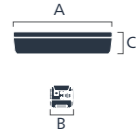
<b>Model No.</b>	BT F040.B360.C BT F040.B417.C
<b>Dimensions/Size</b>	
A (mm)	516
B (mm)	48.5
C (mm)	48.5
<b>Removing Type</b>	Bottom
<b>Specifications</b>	
Nominal Voltage (Vdc)	36
Energy (Wh)	360 / 417
Rated Capacity (Ah)	10 / 11.6
S / P / CELL	10 / 2 / 21700
Charger	2A / 3A
<b>Tests &amp; Certifications</b>	IP X7 / UN38.3 / MSDS / CE / ISO13849 / EN50604

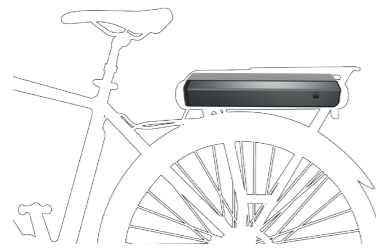
# BATTERY

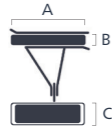


<b>Model No.</b>	BT F010.D720.C
<b>Dimensions/Size</b>	
A (mm)	398
B (mm)	74
C (mm)	83
<b>Removing Type</b>	Down / Up
<b>Specifications</b>	
Nominal Voltage (Vdc)	48
Energy (Wh)	748
Rated Capacity (Ah)	15.6
S / P / CELL	13 / 3 / 21700
Charger	3A
<b>Tests &amp; Certifications</b>	IP X6 / UN38.3 / MSDS / CE / UL2271

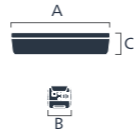


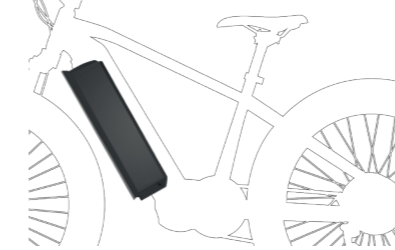
<b>Model No.</b>	BT F781.D720.C
<b>Dimensions/Size</b>	
A (mm)	409
B (mm)	96
C (mm)	89
<b>Removing Type</b>	Down
<b>Specifications</b>	
Nominal Voltage (Vdc)	48
Energy (Wh)	748
Rated Capacity (Ah)	15.6
S / P / CELL	13 / 3 / 21700
Charger	3A
<b>Tests &amp; Certifications</b>	IP X7 / UN38.3 / MSDS / CE / UL2271

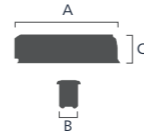


<b>Model No.</b>	BT C02.B720.C
<b>Dimensions/Size</b>	
A (mm)	412
B (mm)	130
C (mm)	70
<b>Removing Type</b>	Rear
<b>Specifications</b>	
Nominal Voltage (Vdc)	36
Energy (Wh)	630
Rated Capacity (Ah)	17.5
S / P / CELL	10 / 5 / 18650
Charger	3A / 4A
<b>Tests &amp; Certifications</b>	IP X7 / UN38.3 / MSDS / CE / ISO13849



<b>Model No.</b>	BT F740.D720
<b>Dimensions/Size</b>	
A (mm)	437
B (mm)	100
C (mm)	75.2
<b>Removing Type</b>	Down
<b>Specifications</b>	
Nominal Voltage (Vdc)	48
Energy (Wh)	748
Rated Capacity (Ah)	15.6
S / P / CELL	13 / 3 / 21700
Charger	3A
<b>Tests &amp; Certifications</b>	IP X7 / UN38.3 / MSDS / CE / UL2271



<b>Model No.</b>	BT F381.D720 BT F381.D960
<b>Dimensions/Size</b>	
A (mm)	427
B (mm)	79
C (mm)	96
<b>Removing Type</b>	Down
<b>Specifications</b>	
Nominal Voltage (Vdc)	48
Energy (Wh)	748 / 998
Rated Capacity (Ah)	15.6 / 20.8
S / P / CELL	13 / 3, 4 / 21700
Charger	3A
<b>Tests &amp; Certifications</b>	IP X7 / UN38.3 / MSDS / CE / UL2271

# SENSOR



Model No.	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
Dimensions/Size			
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
Tests & Certifications	CE / UL2849	CE / UL2849	CE / UL2849

# SENSOR



Model No.	SR SD021.01	SR SD071.02	SR S02
Dimensions/Size			
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
Tests & Certifications	CE		



# 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 / 48, 48 / 52	36 / 48, 36 / 48
Low Voltage Protection(Vdc)	41 / 44, 41 / 44	32 / 41, 41 / 44	32 / 41, 32 / 41
Current Limit (A)	25 / 21, 30 / 28	25 / 20, 22 / 20	15 / 12, 18 / 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
<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>	IP X6 / CE / UL2849		

# ACCESSORIES

## CHAINWHEEL



Model No.	CW G532.1A	CW G510.1A	CW G510.1B	CW G522.1A
<b>Core Data</b>				
Suitability	M820	M620	M620	M560 / M510
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 (f 110)	5 (f 130)	5 (f 130)	4 (f 104)
Chain Guard	N/A	Optional	Optional	N/A



Model No.	CW G522.1C	CW G333.1B	CW G210.1A	CW G210.1B
<b>Core Data</b>				
Suitability	M560 / M510	M410 / M210	M410 / M210	M410 / M210
Teeth Number(XX)	34T	38T	38T, 44T	38T, 44T
Chain Line	53	53	49	45
Thickness(X/XX")	Narrow Wide System	Narrow Wide System	3/32", 11/128"	1/8", 3/32", 11/128"
Spider Style	-	4 (f 110)	4 (f 104)	4 (f 104)
Chain Guard	N/A	N/A	Optional	Optional



Model No.	CW G210.1C	CW PA211.1A	CW PA211.1B
<b>Core Data</b>			
Suitability	M410 / M210	SR PA2XX.32.ST	SR PA2XX.32.ST
Teeth Number(XX)	38T	34T, 36T, 38T, 42T, 44T, 48T	48T, 50T, 52T
Chain Line	48	47.5(68), 63.5(100), 50(73), 55.5(84), 68.5(110), 73.5(120)	47.5(68), 63.5(100)
Thickness(X/XX")	1/8", 3/32", 11/128"	1/8", 3/32", 11/128"	1/8", 3/32", 11/128"
Spider Style	-	4 (f 104)	5 (f 130)
Chain Guard	N/A	Optional	Optional

\* 48V refers to rated voltage of battery.

# ACCESSORIES

## CRANK



<b>Model No.</b>	CK ISIS01.170P / 165P	CK ISIS02.170P	CK ISIS03.170P
<b>Core Data</b>			
Shaft Standard	ISIS	ISIS	ISIS
Suitability	M820 (MTB / Road)	M620 (Fat)	M620 (Cargo)



<b>Model No.</b>	CK BF01.170P	CK BF02.170P / 165P	CK JIS04.170P
<b>Core Data</b>			
Shaft Standard	BAFANG	BAFANG	JIS
Suitability	M560 / M510	M560 / M510	M410 / M210

## SPROCKET



<b>Model No.</b>	SW A310.01.A	SW A310.01.B	SW A310.01.C
<b>Core Data</b>			
Suitability	H720 / H710 / H700 / G300A	H720 / H710 / H700 / G300A	H720 / H710 / H700 / G300A
Teeth Number(XX)	16T, 18T, 20T, 22T	18T, 20T	16T, 18T, 20T, 22T
Chain Line(mm)	64(H720) / 63(H710) / 58(H700) / 49(G300A)	61(H720) / 60(H710) / 54.5(H700) / 45.5(G300A)	64(H720) / 63(H710) / 58(H700) / 49(G300A)
Thickness(X/XX")	2.65	2.65	2



<b>Model No.</b>	SW A310.01.D	SW G3600.01.A	SW A510.01.A
<b>Core Data</b>			
Suitability	H720 / H710 / H700 / G300A	H700	G500A
Teeth Number(XX)	16T, 18T, 20T	16T	26T, 30T
Chain Line(mm)	61(H720) / 60(H710) / 54.5(H700) / 45.5(G300A)	54.5	73
Thickness(X/XX")	2	2.65	2.65

# 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 G333.B	MD G210.A
<b>Core Data</b>		
Material	PC	PC
Suitability	M410 (FP MMG521.B)	M210
Color	Black	Black

## 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

# ACCESSORIES

## THROTTLE



<b>Model No.</b>	TR T01.RL
<b>Mounting Parameters</b>	
Type	Thumb , Right / Left
Holder (mm)	Ø 22.2
Cable Length (mm), Connection Type	500 M3.10
<b>Tests &amp; Certifications</b>	
Waterproof	IP X5
Certifications	Reach / ROHS

## FRAME MOUNT



<b>Model No.</b>	FP MMG532.A
<b>Core Data</b>	
Suitability	M820



<b>Model No.</b>	FP MMG510.A
<b>Core Data</b>	
Suitability	M620



<b>Model No.</b>	FP MMG521.B
<b>Core Data</b>	
Suitability	M560 / M510 / M410



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

# NOTES

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