DUNEN

Product Catalog

Motor Controllers · Motors · Meters / Instruments

Electric drive systems for two-wheelers and light EVs

2026

Nanjing DUNEN Electric Co., Ltd. · www.dn-elec.com

About DUNEN

Nanjing DUNEN Electric Co., Ltd. was founded in 2012 by PhDs from Nanjing University of Aeronautics and Astronautics. We design and manufacture motor controllers for electric two-wheelers, AGVs, sweepers, forklifts and other light electric vehicles. Motors and displays are supplied as supporting products from our cooperative partners, matched with our controllers.

Our core competence is field-oriented control (FOC) for permanent magnet synchronous and brushless DC motors. Controllers are supplied as standard series products or customised to customer protocol, connector and housing requirements, from prototype to volume production.

Capability	Detail
Product range	21 controller series · 25 displays · 100+ motors
Voltage platforms	24 V, 36 V, 48 V, 60 V, 72 V, 84 V, 96 V, 120 V DC
Control	FOC sinusoidal, sensorless / Hall / encoder feedback
Interfaces	UART, CAN, RS485, Bluetooth 5.0, analogue and digital I/O
Compliance	CE, RoHS, EN 13849 functional safety
Protection	IP54 to IP67 depending on model
Engineering	Custom firmware, parameter tuning, OEM branding, connector and harness options
Location	No. 128 Keyuan Road, Jiangning District, Nanjing, China

This catalogue lists our standard products. Datasheets (PDF) for all controller series are available on their product pages at dn-elec.com, or on request.

Contents

01 Motor Controllers — 21 models

02 Motors — 100 models

- Two-Wheeler Hub Motors — 25 models
- Scooter & Robot Hub Motors — 25 models
- Mid-Drive Motors — 31 models
- Side-Mounted Motors — 8 models
- Miscellaneous Motors — 11 models

03 Meters / Instruments — 25 models

- TFT Color Displays — 15 models
- VA Color Displays — 8 models
- LED Segment Displays — 2 models

All products can be customised: firmware parameters, connectors, housings, branding and packaging. Contact us with your specification.

Motor Controllers

FOC sinusoidal wave controllers for e-motorcycles, e-bikes, AGVs and light EVs. 21 series, 24–120 V, 200 A peak.



B6 Series Motor Controller

DEMCB06xx

Rated Input Voltage	36–72 V DC
Rated Input Current	15 A DC
Rated Output Current	20 Arms (30 min)
Input Voltage Range	36–88 V DC

Compact non-isolated FOC controller · 36–88 V · IP66. The B6 Series is a compact, non-isolated sinusoidal motor...



B8 Series Motor Controller

B8

Rated Operating Voltage	48V
Protection Rating	IP65
Rated Output Current (Arms@30min)	25 A
Maximum Output Current (Apk@10s)	130 A

Controller driver for electric pallet trucks. The B8 is a controller product designed for lift pump control and...



B12 Series Motor Controller

DEMCB12xx

Communication	CAN 2.0 / 1-Wire
Protection Rating	IP66
Rated Input Voltage	36–72 V DC
Input Voltage Range	36–88 V DC

Compact high-performance FOC controller for electric two-wheelers and light vehicles. The B12 Series is a compact,...



B14 Series Motor Controller

DEMCB14xx

Communication	CAN 2.0 / 1-Wire
Protection Rating	IP66
Rated Input Voltage	36~72 V DC
Input Voltage Range	36~88 V DC

Dual-motor independent vector control — one controller drives two motors. The B14 Series is a dual-motor non-isolated...



G12 Series Motor Controller

G12

Communication	CAN2.0 / 1-Wire / 485
Rated Input Voltage (DC-V)	36~72
Rated Input Current (DC-A)	30
Rated Output Current (Arms@30min)	45

Compact non-isolated FOC controller with 36–88 V input. The G12 Series is a compact, non-isolated sinusoidal motor...



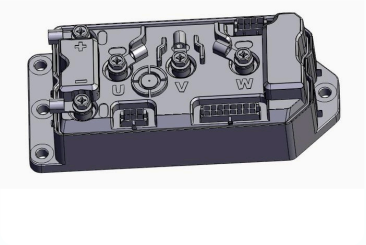
L12 Series Motor Controller

L12

Communication	CAN2.0 / 1-Wire / 485
Rated Input Voltage (DC-V)	36~72
Rated Input Current (DC-A)	30
Rated Output Current (Arms@30min)	40

Compact non-isolated FOC controller with 36–88 V input. The L12 Series is a compact, non-isolated sinusoidal motor...

Motor Controllers (cont.)



M12 Series Motor Controller

M12

Communication	CAN2.0 / 1-Wire
Rated Input Voltage (DC-V)	36~72
Rated Input Current (DC-A)	30
Rated Output Current (Arms@30min)	40

Compact non-isolated FOC controller with 36–88 V input. The M12 Series is a compact, non-isolated sinusoidal motor...

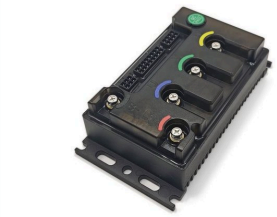


T12 Series Motor Controller

DEMCT1201

Communication	CAN2.0 / 1-Wire / 485
Rated Input Voltage (DC-V)	36~72 / 36~72 / 36~72
Rated Input Current (DC-A)	30 / 40 / 50
Rated Output Current (Arms@30min)	45 / 60 / 80

Compact non-isolated FOC controller with 36–88 V input. The T12 Series is a compact, non-isolated sinusoidal motor...



TA12/TB12 Series Motor Controller

DEMCTA1211

Rated Input Voltage (DC-V)	36~72
Rated Input Current (DC-A)	30
Rated Output Current (Arms@30min)	45
Input Voltage Range (DC-V)	36~88

Compact FOC controllers with optional 6-axis gyroscope and Bluetooth. The TA12 and TB12 Series are compact,...



T18 Series Motor Controller

T18

Communication	CAN2.0 / 1-Wire / Serial
Rated Input Voltage (DC-V)	36~72
Rated Input Current (DC-A)	50
Rated Output Current (Arms@30min)	80

Compact non-isolated FOC controller with 36–88 V input. The T18 Series is a compact, non-isolated sinusoidal motor...



C24 Series Motor Controller

DEMCC2400

Communication	CAN2.0 / 1-Wire / 485
Rated Input Voltage (DC-V)	36~72
Rated Input Current (DC-A)	70 / 80 / 95
Rated Output Current (Arms@30min)	70 / 80 / 95

High-current compact FOC controller with 36–88 V input. The C24 Series is a compact, non-isolated sinusoidal motor...



G24 Series Motor Controller

G24

Communication	CAN2.0 / 1-Wire
Rated Input Voltage (DC-V)	72
Rated Input Current (DC-A)	60
Rated Output Current (Arms@60min)	65

Non-isolated FOC controller for medium-power applications. The G24 Series is a non-isolated sinusoidal motor...

Motor Controllers (cont.)



T24 Series Motor Controller

T24

Communication	CAN2.0
Rated Input Voltage (DC-V)	72
Rated Input Current (DC-A)	65
Rated Output Current (Arms@30min)	90

High-performance FOC controller with built-in Bluetooth and 6-axis gyroscope. The T24 Series is a non-isolated...



T30 Series Motor Controller

DEMCT3000

Communication	CAN2.0 / 1-Wire
Rated Input Voltage (DC-V)	72 / 96
Rated Input Current (DC-A)	120 / 110
Rated Output Current (Arms@30min)	130 / 105

High-power FOC controller with built-in Bluetooth and 6-axis gyroscope. The T30 Series is a high-power, non-isolated...



G36 Series Motor Controller

G36

Rated Input Voltage (DC-V)	72
Rated Input Current (DC-A)	85
Rated Output Current (Arms@30min)	95
Input Voltage Range (DC-V)	25~88

Non-isolated FOC controller for high-power applications. The G36 Series is a non-isolated sinusoidal motor controller...



G36I Series Motor Controller

DEMC36I1XXX

Communication	CAN2.0
Rated Input Voltage (DC-V)	96 / 72
Rated Input Current (DC-A)	75 / 95
Rated Output Current (Arms@30min)	95 / 75

Isolated FOC controller for high-power applications. The G36I Series is an isolated sinusoidal motor controller built...



G48 Series Motor Controller

G48

Rated Input Voltage (DC-V)	72
Rated Input Current (DC-A)	180
Rated Output Current (Arms@30min)	200
Input Voltage Range (DC-V)	24~88

The G48 Series is an isolated sinusoidal motor controller built on our proprietary FOC algorithm for high-power...



T48 Series Motor Controller

DEMCT48I00

Communication	CAN2.0 / 1-Wire
Rated Input Voltage (DC-V)	72 / 96
Rated Input Current (DC-A)	180 / 150
Rated Output Current (Arms@30min)	155 / 130

Isolated high-power FOC controller with built-in Bluetooth and 6-axis gyroscope. The T48 Series is an isolated,...

Motor Controllers (cont.)



G72 Series Motor Controller

DEMC72I01

Rated Input Voltage (DC-V)	72 / 96
Rated Input Current (DC-A)	180
Rated Output Current (Arms@30min)	180 / 180
Input Voltage Range (DC-V)	48~88 / 70~120

Isolated high-power FOC controller with all-aluminum housing. The G72 Series is an isolated sinusoidal motor...



G84 Series Motor Controller

G84

Rated Input Voltage (DC-V)	144
Rated Input Current (DC-A)	105
Rated Output Current (Arms@30min)	110
Input Voltage Range (DC-V)	110~175

Isolated high-power FOC controller with all-aluminum housing. The G84 Series is an isolated sinusoidal motor...



DC4 Series Motor Controller

DEMCDC4xx

Communication	CAN 2.0
Protection Rating	IP66
Rated Input Voltage	24 V DC
Input Voltage Range	16–40 V DC

DC brushed motor controller, 16–40 V wide input, IP66 protection. The DC4 Series is a non-isolated motor controller...

Motors

Efficient drive motors co-engineered with our controllers to deliver balanced system performance, thermal behavior and cost.

- Two-Wheeler Hub Motors — 25 models
- Scooter & Robot Hub Motors — 25 models
- Mid-Drive Motors — 31 models
- Side-Mounted Motors — 8 models
- Miscellaneous Motors — 11 models

Two-Wheeler Hub Motors

Brushless hub motors for electric motorcycles and e-bikes, 10–17 inch, custom winding available.



10" Electric motor

10 inch

Working voltage (V)	48
Rated power (W)	400
Peak power (W)	800
No-load speed (rpm)	360



10" Single-side motor

10 inch

Working voltage (V)	60-96
Rated power (W)	1100-3500
Peak power (W)	1300-4500
No-load speed (rpm)	650-1000



10" Single-side four-wheeler motor

10 inch

Working voltage (V)	60-96
Rated power (W)	1100-3000
Peak power (W)	1300-4000
No-load speed (rpm)	650-1000



Efficient 10" Electric motorcycle motor

Working voltage (V)	48-72
Rated power (W)	500-1200
Peak power (W)	800-1300
No-load speed (rpm)	520-650



11" Electric motorcycle motor

11 inch

Working voltage (V)	60-96
Rated power (W)	800-3000
Peak power (W)	3000-6000
No-load speed (rpm)	500-750



12" Electric motorcycle motor

12 inch

Working voltage (V)	60-96
Rated power (W)	1000-5000
Peak power (W)	3000-10000
No-load speed (rpm)	600-950



12" Single-side four-wheeler motor

12 inch

Working voltage (V)	60-96
Rated power (W)	1000-5000
Peak power (W)	3000-8000
No-load speed (rpm)	650-1100



12" Sharp Speed Motor

12 inch

Working voltage (V)	48-72
Rated power (W)	1000-3500
Peak power (W)	3000-5500
No-load speed (rpm)	650-950



12" Halley

12 inch

Working voltage (V)	60-72
Rated power (W)	2000-3000
Peak power (W)	2500-3500
No-load speed (rpm)	600-800

Two-Wheeler Hub Motors (cont.)



12" IPM Electric motorcycle motor

12 inch

Working voltage (V)	60-96
Rated power (W)	2500-5000
Peak power (W)	4000-9000
No-load speed (rpm)	900-1200



13" Halley

13 inch

Working voltage (V)	60-72
Rated power (W)	2000-3000
Peak power (W)	2500-3500
No-load speed (rpm)	600-800



14" Electric motorcycle motor

14 inch

Working voltage (V)	60-96
Rated power (W)	1100-6000
Peak power (W)	1300-6500
No-load speed (rpm)	700-1000



14" IPM Electric motorcycle motor

14 inch

Working voltage (V)	60-96
Rated power (W)	4000-8000
Peak power (W)	6000-15000
No-load speed (rpm)	900-1300



F15 High power single line motor

F15

Working voltage (V)	60-96
Rated power (W)	1100-3500
Peak power (W)	1300-4500
No-load speed (rpm)	650-1000



17" Electric motorcycle motor

17 inch

Working voltage (V)	60-96
Rated power (W)	1100-6000
Peak power (W)	1300-6500
No-load speed (rpm)	600-900



17" IPM Electric motorcycle motor

17 inch

Working voltage (V)	72
Rated power (W)	5000-9000
Peak power (W)	7000-15000
No-load speed (rpm)	900-1100



20" E-bike magnesium alloy motor

20 inch

Working voltage (V)	48
Rated power (W)	400
Peak power (W)	1500
Rated speed (rpm)	400



Single-side disc brake motor

Working voltage (V)	48-96
Rated power (W)	4000-7000
Peak power (W)	8000-15000
No-load speed (rpm)	800-1500

Two-Wheeler Hub Motors (cont.)



Ebike motor

Working voltage (V)	48
Rated power (W)	2000
Peak power (W)	4000
Rated speed (rpm)	550



Golden eagle series motor

Working voltage (V)	48-72
Rated power (W)	400-1200
Peak power (W)	600-2000
No-load speed (rpm)	450-750



Motor with curved magnet

Working voltage (V)	72-96
Rated power (W)	3000-30000
Peak power (W)	8000-50000
No-load speed (rpm)	1000-2000



Eagle series-P motor

Working voltage (V)	60-96
Rated power (W)	2500-5000
Peak power (W)	3000-5500
No-load speed (rpm)	900-1200



Eagle series-S motor

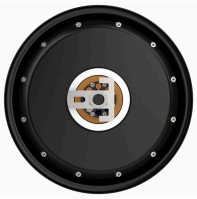
Working voltage (V)	48-72
Rated power (W)	1000-3000
Peak power (W)	3000-5000
No-load speed (rpm)	550-850



12" 72V15000W Track Edition

12 inch

Working voltage (V)	72
Rated power (W)	15000
Peak power (W)	30000
No-load speed (rpm)	1300



12" 72V ProMax Series

12 inch

Working voltage (V)	72
Rated power (W)	3000-7000
Peak power (W)	9000-17000
No-load speed (rpm)	850-1100

Scooter & Robot Hub Motors

Hub motors for e-scooters, robots, sweepers, trolleys and other light-duty platforms.



6.5" Delivery robot motor

6.5 inch

Working voltage (V)	21-60
Rated power (W)	100-350
Peak power (W)	200-500
No-load speed (rpm)	200-700



6.5" Robot motor

6.5 inch

Working voltage (V)	24
Rated power (W)	20
Peak power (W)	100
No-load speed (rpm)	250-300



6.5" Single-side servo motor

6.5 inch

Working voltage (V)	21-48
Rated power (W)	50-250
Peak power (W)	200
No-load speed (rpm)	200-300



7" Scooter motor for children

7 inch

Working voltage (V)	20-48
Rated power (W)	100-250
Peak power (W)	200-350
No-load speed (rpm)	500-1500



8" Scooter motor for children

8 inch

Working voltage (V)	20-48
Rated power (W)	100-250
Peak power (W)	200-350
No-load speed (rpm)	500-1500



8" Sweeper motor

8 inch

Working voltage (V)	36-72
Rated power (W)	350-500
Peak power (W)	500-1200
No-load speed (rpm)	800-1500



8.5" Single-side motor with holding brake

8.5 inch

Working voltage (V)	24-72
Rated power (W)	200-400
Peak power (W)	600-1000
No-load speed (rpm)	500-1000



9" Treadmill motor

9 inch

Working voltage (V)	24-60
Rated power (W)	200-800
Peak power (W)	400-1000
No-load speed (rpm)	200-700



10" Single side motor

10 inch

Working voltage (V)	36-72
Rated power (W)	350-800
Peak power (W)	500-1600
No-load speed (rpm)	800-1600

Scooter & Robot Hub Motors (cont.)



10" Pneumatic tyre quick disassembly motor

10 inch

Working voltage (V)	24-60
Rated power (W)	350-500
Peak power (W)	700-1000
No-load speed (rpm)	400-1000



10" Double-tire unicycle motor

10 inch

Working voltage (V)	24-60
Rated power (W)	350-500
Peak power (W)	800
No-load speed (rpm)	400-1000



10" Z-shaped iron wheel motor

10 inch

Working voltage (V)	24-60
Rated power (W)	240-500
Peak power (W)	500-900
No-load speed (rpm)	150-700



10" Trolley motor

10 inch

Working voltage (V)	24-60
Rated power (W)	350-600
Peak power (W)	500-800
No-load speed (rpm)	600-900



10.5" Single-side hub motor

10.5 inch

Working voltage (V)	36-72
Rated power (W)	350-500
Peak power (W)	500-1200
No-load speed (rpm)	800-1500



10.5" Detachable motor

10.5 inch

Working voltage (V)	36-82
Rated power (W)	200-500
Peak power (W)	500-1200
No-load speed (rpm)	300-1000



11" Super high power scooter motor

11 inch

Working voltage (V)	36-60
Rated power (W)	350-500
Peak power (W)	500-1200
No-load speed (rpm)	800-1500



12" Scooter motor

12 inch

Working voltage (V)	36-84
Rated power (W)	350-1200
Peak power (W)	500-2000
No-load speed (rpm)	600-1500



12" Unicycle motor

12 inch

Working voltage (V)	30-110
Rated power (W)	1500-2200
Peak power (W)	2000-4500
No-load speed (rpm)	500-1000

Scooter & Robot Hub Motors (cont.)



14" Unicycle motor

14 inch

Working voltage (V)	30-110
Rated power (W)	1000-1500
Peak power (W)	1500-2000
No-load speed (rpm)	500-1200



14" Reduction disc brake motor

14 inch

Working voltage (V)	36-90
Rated power (W)	350-600
Peak power (W)	700-1200
No-load speed (rpm)	200-500



14" Bicycle motor

14 inch

Working voltage (V)	24-60
Rated power (W)	350-500
Peak power (W)	700-1000
No-load speed (rpm)	400-1000



15" Single-side hub motor

15 inch

Working voltage (V)	36-80
Rated power (W)	600-1000
Peak power (W)	1500-2000
No-load speed (rpm)	200-900



18" Unicycle motor

18 inch

Working voltage (V)	48-80
Rated power (W)	800-1200
Peak power (W)	1800-2200
No-load speed (rpm)	500-1200



21" Unicycle motor

21 inch

Working voltage (V)	30-110
Rated power (W)	1500-2200
Peak power (W)	2000-4500
No-load speed (rpm)	500-1000

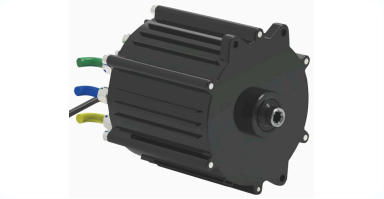


Far Eagle H01 hub motor

Working voltage (V)	36-82
Rated power (W)	200-500
Peak power (W)	500-1200
No-load speed (rpm)	300-1000

Mid-Drive Motors

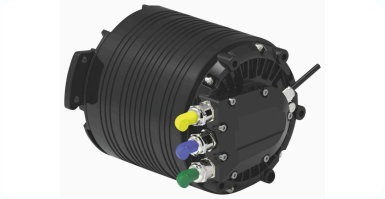
Mid-drive motors with integrated reduction for e-bikes and light electric vehicles.



E3 Mid-drive motor

E3

Working voltage (V)	48-72
Rated power (W)	800-1200
Peak power (W)	1000-2000
Rated speed (rpm)	4500-6000



E6 Water cooled mid-drive motor

E6

Working voltage (V)	48-72
Rated power (W)	4000-6000
Peak power (W)	5000-10000
Rated speed (rpm)	5000-7000



HH4V Mid-drive motor

HH4V

Working voltage (V)	44-72
Continuous power (W)	1500-3000
Peak power (W)	3000-6000
Rated speed (rpm)	1000-2000



EF5V Mid-drive motor

EF5V

Working voltage (V)	44-72
Rated power (W)	1500-3000
Peak power (W)	3000-6000
Rated speed (rpm)	1000-2000



H20 Mid-drive motor

H20

Working voltage (V)	48-72
Rated power (W)	800-1700
Peak power (W)	3000-4000
Rated speed (rpm)	1500-3500



H21 Mid-drive motor

H21

Working voltage (V)	48-72
Rated power (W)	800-1500
Peak power (W)	3000-4000
Rated speed (rpm)	1500-3500



H23 Mid-drive motor

H23

Working voltage (V)	48-72
Rated power (W)	800-1700
Peak power (W)	3000-4000
Rated speed (rpm)	1500-4300



H30Z Mid-drive motor

H30Z

Working voltage (V)	48-72
Rated power (W)	2500-3500
Peak power (W)	5000-7500
No-load speed (rpm)	2300

Mid-Drive Motors (cont.)



H31 Mid-drive motor

H31

Working voltage (V)	36-72
Rated power (W)	1500-3000
Peak power (W)	4000-6000
Rated speed (rpm)	3000-5000 (low-speed side 1220-2020)



H32 Mid-drive motor

H32

Working voltage (V)	72-380
Rated power (W)	500-1000
Peak power (W)	1500-2000
Rated speed (rpm)	1500-3500



H33 Mid-drive motor

H33

Working voltage (V)	48-72
Continuous power (W)	1000-2000
Peak power (W)	3000-5000
Rated speed (rpm)	1000-3000



H51 Mid-drive motor

H51

Working voltage (V)	72-380
Rated power (W)	5000-13000 (sprocket) / 5000-11000 (timing pulley)
Peak power (W)	7000-38000
Rated speed (rpm)	≤12000



H52 Mid-drive motor

H52

Working voltage (V)	72-380
Rated power (W)	5000-18000
Peak power (W)	7000-38000
Rated speed (rpm)	≤14400



H53 Mid-drive motor

H53

Working voltage (V)	72-380
Rated power (W)	5000-18000
Peak power (W)	7000-38000
Rated speed (rpm)	≤14400



H54 Mid-drive motor

H54

Working voltage (V)	48-72
Rated power (W)	2500-4000
Peak power (W)	5100-7600
Rated speed (rpm)	2300-3400



H55 Mid-drive motor

H55

Working voltage (V)	60-96
Rated power (W)	4000-8000
Peak power (W)	6000-15000
No-load speed (rpm)	4000-7000

Mid-Drive Motors (cont.)



H55B Mid-drive motor

H55B

Working voltage (V)	72-380
Rated power (W)	5000-18000
Peak power (W)	7000-38000
No-load speed (rpm)	≤14400



H56 Liquid cooled motor

H56

Working voltage (V)	84
Rated power (kW)	35
Peak power (kW)	65
Rated speed (rpm)	8000



H57 Mid-drive motor

H57

Working voltage (V)	72-380
Rated power (W)	5000-18000
Peak power (W)	7000-38000
Rated speed (rpm)	≤14400



H58 Mid-drive motor

H58

Working voltage (V)	72-380
Continuous power (W)	5000-18000
Peak power (W)	7000-38000
Rated speed (rpm)	≤14400



H59 Mid-drive motor

H59

Working voltage (V)	72-380
Rated power (W)	5000-18000
Peak power (W)	7000-38000
Rated speed (rpm)	≤14400



ZD085B2 Mid-Drive Motor

ZD085B2

Rated Power	1500-3000W
Rated Speed	4500rpm
Rated Bus Voltage	48V-96V
Peak Power	6000W



ZD083 Mid-Drive Motor

ZD083

Rated bus voltage	60V-96V
Rated power	3000W-8000W
Peak power	10000W
Rated speed	2000rpm



ZD087 Mid-Drive Motor

ZD087

Rated bus voltage	48V-96V
Rated power	3000W-5000W
Peak power	6000W
Rated speed	940rpm

Mid-Drive Motors (cont.)



ZD085 Mid-Drive Motor

ZD085

Rated bus voltage	48V-96V
Rated power	3000W
Peak power	6000W
Rated speed	2000rpm



ZD082A Mid-Drive Motor

ZD082A

Rated bus voltage	48V-72V
Rated power	1000W
Peak power	2000W
Rated speed	2000rpm



ZD044 Mid-Drive Motor

ZD044

Rated bus voltage	48V-72V
Rated power	350W-500W
Peak power	1000W
Rated speed	1600rpm



ZD087E Mid-Drive Motor

ZD087E

Rated bus voltage	72V-96V
Rated power	10KW
Peak power	20KW
Rated speed	6500rpm



ZD087B Mid-Drive Motor

ZD087B

Rated bus voltage	72V-96V
Rated power	3KW-10KW
Peak power	15KW
Rated speed	6500rpm



DA80 Mid-Drive Motor

DA80

Rated bus voltage	72V
Rated power	8000W
Peak power	20000W
Rated speed	3500rpm



ZD087F Mid-Drive Motor

ZD087F

Rated bus voltage	48V-72V
Rated power	3000W
Peak power	6000W
Rated speed	3500rpm

Side-Mounted Motors

Side-mounted drive motors for specialised two- and three-wheel vehicles.



H42 Side mounted motor

H42

Working voltage (V)	60-96
Continuous power (W)	3000-5000
Peak power (W)	6300-10000
Rated speed (rpm)	530-870



H45 Side mounted motor

H45

Working voltage (V)	60-96
Rated power (W)	3000-5000
Peak power (W)	6300-10000
Rated speed (rpm)	530-870 (low-speed side)



H46 Side mounted motor

H46

Working voltage (V)	72
Continuous power (W)	9000
Peak power (W)	≥26KW
Rated speed (rpm)	6000



ZD022 Side Mounted Motor

ZD022

Rated bus voltage	48V-72V
Rated power	2000W
Peak power	4000W
Rated speed	600rpm



ZD-01 Side Mounted Motor

ZD-01

Rated bus voltage	72V-96V
Rated power	3KW-10KW
Peak power	15KW
Rated speed	900rpm-1400rpm



ZD037 Side Mounted Motor

ZD037

Rated bus voltage	48V-96V
Rated power	2000W-5000W
Peak power	6000W
Rated speed	860rpm



ZD031 Side Mounted Motor

ZD031

Rated bus voltage	48V-96V
Rated power	400W
Peak power	2000W
Rated speed	370rpm



ZD038 Side Mounted Motor

ZD038

Rated bus voltage	48V-96V
Rated power	4000W
Peak power	6000W
Rated speed	900rpm

Miscellaneous Motors

Blade, traction, forklift and other special-purpose motors.



ZD09 Forklift Motor

ZD09

Rated bus voltage	48V
Rated power	1000W
Peak power	1500W
Rated speed	180rpm

ZD09 Forklift Motor from our manufacturing partner. Rated bus voltage 48V, rated power 1000W, protection level... IP33....



PET154 Forklift Motor

PET154

Rated bus voltage	48V
Rated power	1000W
Peak power	1500W
Rated speed	4500rpm

PET154 Forklift Motor from our manufacturing partner. Rated bus voltage 48V, rated power 1000W, protection level...



No.2 Forklift Motor

Rated bus voltage	48V
Rated power	750W
Peak power	1500W
Rated speed	180rpm

No.2 Forklift Motor from our manufacturing partner. Rated bus voltage 48V, rated power 750W, protection level IP33....



PET155 Forklift Motor

PET155

Rated bus voltage	48V
Rated power	1000W
Peak power	1500W
Rated speed	450rpm

PET155 Forklift Motor from our manufacturing partner. Rated bus voltage 48V, rated power 1000W, protection level...



ZD012 Tricycle Motor

ZD012

Rated bus voltage	24V-48V
Rated power	350W-500W
Peak power	800W
Rated speed	4200rpm

ZD012 Tricycle Motor from our manufacturing partner. Rated bus voltage 24V-48V, rated power 350W-500W,... protection...



ZD014C Tricycle Motor

ZD014C

Rated bus voltage	48V-72V
Rated power	1000W-1800W
Peak power	1000W-3000W
Rated speed	3800rpm

ZD014C Tricycle Motor from our manufacturing partner. Rated bus voltage 48V-72V, rated power 1000W-1800W,... protection...

Miscellaneous Motors (cont.)

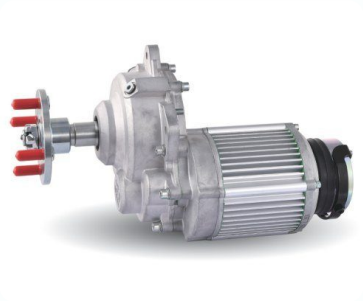


ZD011 Blade Motor

ZD011

Rated bus voltage	54V
Rated power	1200W
Peak power	2000W
Rated speed	4500rpm

ZD011 Blade Motor from our manufacturing partner. Rated bus voltage 54V, rated power 1200W, protection level IP65....



ZDYL1 Traction Motor

ZDYL1

Rated bus voltage	48V-72V
Rated power	500W-2000W
Peak power	2000W
Rated speed	150rpm

ZDYL1 Traction Motor from our manufacturing partner. Rated bus voltage 48V-72V, rated power 500W-2000W,... protection...



110 Drive Assembly

Rated bus voltage	48V-72V
Rated power	1200W
Peak power	2000W
Rated speed	3500rpm

110 Drive Assembly from our manufacturing partner. Rated bus voltage 48V-72V, rated power 1200W, protection... level...



ZDYL2 Blade Motor

ZDYL2

Rated bus voltage	48V-72V
Rated power	2000W
Peak power	3200W
Rated speed	3200rpm

ZDYL2 Blade Motor from our manufacturing partner. Rated bus voltage 48V-72V, rated power 2000W, protection level...



Integral Differential Motor for elderly scooter

Working voltage (V)	24-48
Rated power (W)	200-250
Peak power (W)	400-600
No-load speed (rpm)	200-300

Integral Differential Motor for elderly scooter from our manufacturing partner. Rated power 200-250 W, rated speed...

Meters / Instruments

TFT, VA and LED displays for electric bicycles, scooters and light EVs — from 1.4" mini screens to 5.0" color clusters, all with UART/CAN communication and IP-rated protection.

- TFT Color Displays — 15 models
- VA Color Displays — 8 models
- LED Segment Displays — 2 models

TFT Color Displays

TFT color displays with UART / CAN, Bluetooth options and IP66–IP67 protection.

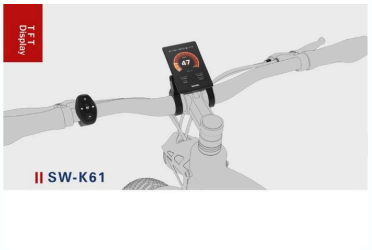


SW-M81 TFT Display

SW-M81

Screen Type	4.0-inch TFT color display
Working Voltage	12–60 V DC
Communication	UART (default) / CAN (optional), Bluetooth 5.0
Protection Rating	IP66

4.0-inch color TFT e-bike display with UART/CAN communication and Bluetooth 5.0. The SW-M81 is a compact 4.0-inch... TFT...



SW-K61 TFT Display

SW-K61

Screen Type	3.5-inch TFT color display
Working Voltage	12–60 V DC
Communication	UART (default) / CAN (optional), Bluetooth 5.0
Protection Rating	IP66

3.5-inch compact vertical TFT e-bike display with UART/CAN and Bluetooth 5.0. The SW-K61 is a compact 3.5-inch...



SW-A90(T) TFT Display

SW-A90(T)

Screen Type	5.0-inch TFT color screen (optional touchscreen)
Working Voltage	12–100 V DC
Communication	UART (default) / CAN (optional), Bluetooth 5.0
Protection Rating	IP67

5.0-inch large TFT color display with optional touchscreen. The SW-A90(T) is a large 5.0-inch TFT color display for...



SW-K80 TFT Display

SW-K80

Screen Type	3.9-inch TFT color screen
Working Voltage	12–100 V DC
Communication	UART (default) / CAN (optional), Bluetooth 5.0
Protection Rating	IP67

3.9-inch angular TFT display with integrated turn signals and NFC. The SW-K80 is a 3.9-inch horizontal TFT color...

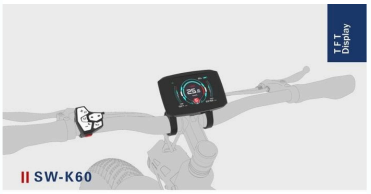


SW-K81 TFT Display

SW-K81

Screen Type	4.0-inch TFT color screen
Working Voltage	12–100 V DC
Communication	UART (default) / CAN (optional), Bluetooth 5.0
Protection Rating	IP67

4.0-inch ultra-slim TFT display for integrated mounting. The SW-K81 is an ultra-slim 4.0-inch TFT display designed...



SW-K60 TFT Display

SW-K60

Screen Type	3.5-inch TFT color screen
Working Voltage	12–100 V DC
Communication	UART (default) / CAN (optional), Bluetooth 5.0
Protection Rating	IP66

3.5-inch compact TFT display with handlebar clamp mount. The SW-K60 is a 3.5-inch TFT color display with a compact...

TFT Color Displays (cont.)



SW-Q60 TFT Display

SW-Q60

Screen Type	3.5 / 3.6-inch round TFT color screen
Working Voltage	12–60 V DC
Communication	UART (default) / CAN (optional), Bluetooth 5.0
Protection Rating	IP66

3.6-inch round TFT display for a classic dashboard look. The SW-Q60 is a distinctive round 3.6-inch TFT color display...



SW-R20 TFT Display

SW-R20

Screen Type	2.0-inch TFT color screen
Working Voltage	12–60 V DC
Communication	UART (default) / CAN (optional), Bluetooth 5.0
Protection Rating	IP66

2.0-inch ultra-slim stem/bar-end TFT display. The SW-R20 is an ultra-slim 2.0-inch TFT display designed for stem or...

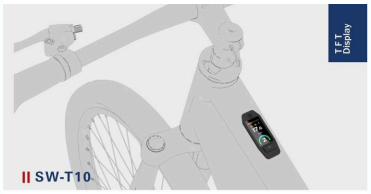


SW-R21 TFT Display

SW-R21

Screen Type	2.0-inch TFT color screen
Working Voltage	12–60 V DC
Communication	UART (default) / CAN (optional), Bluetooth 5.0
Protection Rating	IP66

2.0-inch compact TFT display with clamp mount. The SW-R21 is a compact 2.0-inch TFT color display with a handlebar...

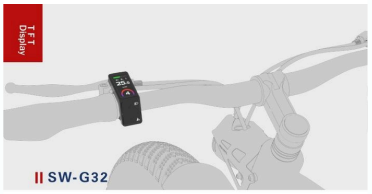


SW-T10 TFT Display

SW-T10

Screen Type	1.47-inch TFT color screen
Working Voltage	12–100 V DC
Communication	UART (default) / CAN (optional)
Protection Rating	IP67

1.47-inch mini TFT display with physical M button. The SW-T10 is a tiny 1.47-inch TFT display with a physical M...



SW-G32 TFT Display

SW-G32

Screen Type	1.47-inch TFT color screen
Working Voltage	12–100 V DC
Communication	UART (default) / CAN (optional)
Protection Rating	IP67

1.47-inch ultra-mini clamp-on split handlebar display. The SW-G32 is an ultra-compact 1.47-inch TFT display with a...



SW-G21 TFT Display

SW-G21

Screen Type	1.4-inch TFT color screen
Working Voltage	12–100 V DC
Communication	UART (default) / CAN (optional)
Protection Rating	IP67

1.4-inch micro TFT display with multiple mounting variants. The SW-G21 is a 1.4-inch micro TFT display available in...

TFT Color Displays (cont.)



SW-G31 TFT Display

SW-G31

Screen Type	2.4-inch TFT color screen
Working Voltage	12–100 V DC
Communication	UART (default) / CAN (optional), Bluetooth 5.0
Protection Rating	IP67

2.4-inch slim angled TFT display with bottom mount. The SW-G31 is a 2.4-inch slim TFT color display with an angled...



SW-K58 TFT Display

SW-K58

Screen Type	4.58-inch TFT color screen
Working Voltage	12–100 V DC
Communication	UART (default) / CAN (optional), Bluetooth 5.0
Protection Rating	IP67

4.58-inch wide TFT display with dual-bracket mount. The SW-K58 is a wide 4.58-inch TFT color display with a...



SW-K59 TFT Display

SW-K59

Screen Type	3.8-inch TFT color screen
Working Voltage	12–100 V DC
Communication	UART (default) / CAN (optional), Bluetooth 5.0
Protection Rating	IP67

3.8-inch slim elongated TFT display for integrated mounting. The SW-K59 is a slim 3.8-inch elongated TFT display at...

VA Color Displays

VA color displays with UART / CAN, Bluetooth options and IP65–IP67 protection.



SW-A908 VA Display

SW-A908

Screen Type	5.0-inch VA color screen
Working Voltage	12–100 V DC
Communication	UART (default) / CAN (optional), Bluetooth 5.0
Protection Rating	IP67

5.0-inch large VA color display for electric motorcycles. The SW-A908 is a large 5.0-inch VA color display designed...



SW-K56 VA Display

SW-K56

Screen Type	3.8-inch VA color screen
Working Voltage	12–100 V DC
Communication	UART (default) / CAN (optional), Bluetooth 5.0
Protection Rating	IP67

3.8-inch compact VA display for integrated mounting. The SW-K56 is a 3.8-inch VA color display with a compact...



SW-M808X VA Display

SW-M808X

Screen Type	4.0-inch VA color screen
Working Voltage	12–100 V DC
Communication	UART (default) / CAN (optional), Bluetooth 5.0
Protection Rating	IP66

4.0-inch VA color display with advanced vehicle features. The SW-M808X is a 4.0-inch VA color display with advanced...



SW-M818 VA Display

SW-M818

Screen Type	4.0-inch VA color screen
Working Voltage	12–60 V DC
Communication	UART (default) / CAN (optional), Bluetooth 5.0
Protection Rating	IP66

4.0-inch VA color display with classic vertical design. The SW-M818 is a 4.0-inch VA color display with a classic...



SW-K618 VA Display

SW-K618

Screen Type	3.5-inch VA color screen
Working Voltage	12–60 V DC
Communication	UART (default) / CAN (optional), Bluetooth 5.0
Protection Rating	IP66

3.5-inch VA color display with large circular speedometer. The SW-K618 is a 3.5-inch VA color display featuring a...



SW-G519 VA Display

SW-G519

Screen Type	1.9-inch VA color screen
Working Voltage	12–100 V DC
Communication	UART (default) / CAN (optional), Bluetooth 5.0
Protection Rating	IP67

1.9-inch compact VA display with physical buttons. The SW-G519 is an ultra-thin 1.9-inch VA color display at only...

VA Color Displays (cont.)



SW-G518 VA Display

SW-G518

Screen Type	2.3-inch VA color screen
Working Voltage	12–100 V DC
Communication	UART (default) / CAN (optional)
Protection Rating	IP65

2.3-inch compact VA display with side buttons. The SW-G518 is a compact 2.3-inch VA color display with physical...



EN08 VA Display

EN08

Screen Type	1.9-inch VA color screen
Working Voltage	24–60 V DC
Communication	UART
Protection Rating	IP65

1.9-inch entry-level VA display with integrated buttons. The EN08 is an entry-level 1.9-inch VA color display with...

LED Segment Displays

LED segment displays with UART and IP54 protection.



S810 LED Display

S810

Screen Type	2.9-inch LED segment display
Working Voltage	24 / 36 / 48 V DC
Communication	UART
Protection Rating	IP54

2.9-inch LED segment display for basic e-bike data. The S810 is a 2.9-inch LED segment display showing essential ride...



G20 LED Display

G20

Screen Type	1.9-inch LED segment display
Working Voltage	24 / 36 / 48 V DC
Communication	UART
Protection Rating	IP54

1.9-inch compact LED display with integrated buttons. The G20 is an ultra-compact 1.9-inch LED segment display... with...

Let's build the drive

Tell us your voltage, power and application — we will propose the controller, display and motor combination.

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