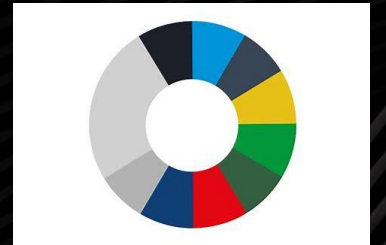




# BYD Electric Vehicle Program for Europe

BYD Europe for Zero Oslo



# Quick Facts about BYD Group



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Over  
**240,000**  
employees



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**35** industrial  
parks  
worldwide



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**6** core  
businesses :

- IT,
- New Energy,
- Automobile,
- Rail Transit,
- Forklifts,
- Trucks



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2018  
Group  
revenue: **EUR  
18 billion**



---

**20 years**  
experience in  
**battery R&D and  
manufacturing**  
(world's largest Iron-  
Phosphate battery  
manufatturer)



# CORE ACTIVITIES

## TRUCK BUSINESS

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# CORE ACTIVITIES

## FORKLIFT BUSINESS

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Pallet Truck



Stackers



Reach Truck



Counterbalance



Heavy Duty  
Counterbalance



Tow Tractors

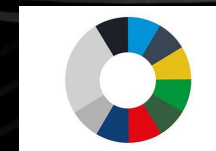




# CORE ACTIVITIES

## AUTOMOTIVE BUSINESS

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### Passenger cars:

HYBRID PHEVS FULL ELECTRIC

SEDAN



SUV



MPV



### Electric Busses:

City busses

Double Deckers

Coaches

Articulated





# CORE ACTIVITIES

## NEW ENERGY

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Solar parks



Energy Storage for Solar parks



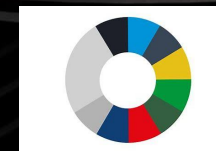
Uninterrupted Power Supply



# CORE ACTIVITIES

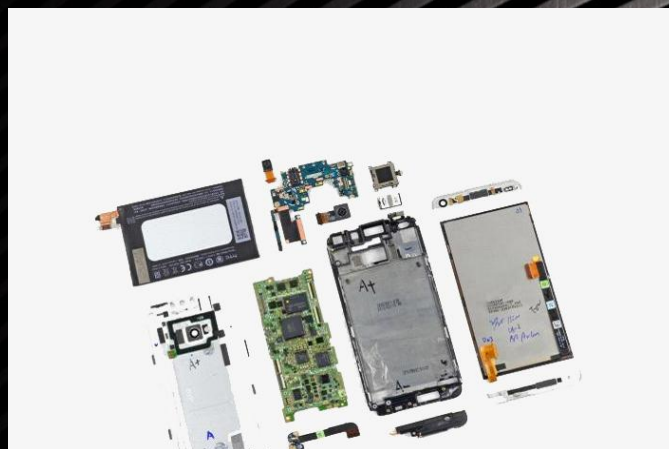
## ELECTRONICS

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High end OEM components    Consumer electronics

Car electronics





# CORE ACTIVITIES

## RAIL TRANSIT

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Sky Rail



Sky bus







# BYD Electric Trucks

# Advantages of Electric Trucks over Diesel Trucks



—  
Lower  
energy  
cost  
(electricity is  
cheaper than  
diesel)



—  
Less  
maintenance  
costs (electric  
motors need no  
maintenance)



—  
Much  
longer  
service life  
(less fragile than  
a diesel truck,  
strong as a train)



—  
Zero  
Emission



—  
Silent  
operation



—  
Quicker to  
service  
and repair  
(less down time)



—  
Allowed to  
enter  
restricted  
urban  
environments  
in the future

And in the case of BYD: **Lower TCO than diesel trucks !!!**





# BYD T3

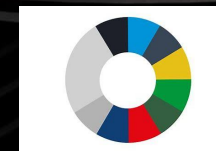
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Your electric small van for  
city distribution



# BYD - T3

Your electric small van for city distribution



## 2.6

2.6 Ton GVW

## 220

Range when fully loaded of  
200 km with one charge

## 920

Load capacity of 920 Kg

## 3.5

Volume capacity :  
3.5 m<sup>3</sup> (2 seat  
version)

## 1.5

Fast charging time:  
1.5 hours



Opportunity  
charging does not  
affect battery life

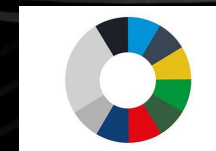
## NMC

Long life BYD  
Lithium batteries  
(NMC)



# BYD - T3

Your electric small van for city distribution



Durable materials (metal floor)  
Internal side protectors

2 side sliding doors standard





# BYD - T3

Your electric small van for city distribution

## 3 charging options standard:

Home charging AC (1.6 kW or 3.3 kW)

Fast charging DC 40 kW

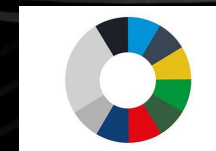
3.3 kW Home charger





# BYD - T3

Your electric small van for city distribution





# BYD - T3

Your electric small van for city distribution



Extremely comfortable interior

Very easy to drive

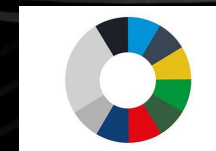
Quick and maneuverable





# BYD - T3

Your electric small van for city distribution



Easy to clean  
upholstery



Electric Windows



Multifunction wheel



Automatic transmission  
+ parking assist



LED



USB, MICRO SD,



# BYD - T6

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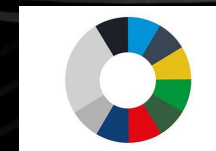
OLD CABIN





# BYD - T6

7.5 Ton electric truck for distribution



**7.5**

7.5 Ton GVW

**240**

Range when fully loaded of  
240 km with one charge

**4.090**

Load capacity of 4.090  
Kg (chassis cab)

**17**

Volume capacity :  
17 m<sup>3</sup>

**1.3**

Fast charging time:  
1.3 hours



Opportunity  
charging does not  
affect battery life

**NMC**

Long life BYD  
Lithium batteries  
(NMC)

# BYD - T6

7.5 Ton electric truck for distribution



2 charging options:

DC CHARGER:

**96 kW**

**1.3 hours from 0% -100%**

AC CHARGER:

**40 kW**

**3.5 hours from 0% - 100%**





# BYD - Q1M

old cabin

---



# BYD - Q1M

Yard Tractor for Airport, Ports and DCs



## 46

46 Ton GCWR

## 10

Continuous operation:  
more than 10 hours with  
one charge

## 37

Tow capacity:  
37 Ton

## 2

Fast charging time:  
2 hours



Opportunity  
charging does not  
affect battery life



Long life BYD  
Lithium batteries  
(Iron Phosphate)



# BYD - Q1M

Yard Tractor for Airport, Ports and DCs



**Old version**



**European version**



# BYD - Q1M

Yard Tractor for Airport, Ports and DCs



Old cabin



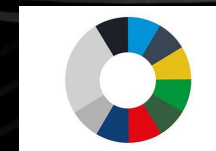
New cabin with improved ergonomics and driver comfort





# BYD - Q1M

Yard Tractor for Airport, Ports and DCs



1 door (Old version)



2 Doors (European version)



# BYD - Q1M

Yard Tractor for Airport, Ports and DCs



## Port operations



## Distribution center operation





# BYD - Q1M

7.5 Ton electric truck for distribution



2 charging options:

DC CHARGER:

**120 kW**

**2 hours from 0% -100%**

AC CHARGER:

**40 kW**

**5.5 hours from 0% - 100%**

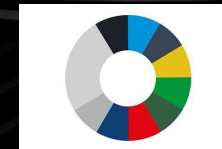


# FUTURE PRODUCTS



# T8- 18 Ton Chassis Cab

Electric truck for logistics and refuse





# T8- 18 Ton Chassis Cab

Electric truck for logistics and refuse

## T8-Specifications



Cab Chassis Parameters	T8E	T8F
Overall dimension(mm)	7925×2540×3080	8425×2550×3080
Curb Weight (kg)	7900	8860
Payload (kg)	10100	9140
GVWR (kg)	18000	18000
Wheelbase (mm)	4500	5000
Front/Rear Overhang (mm)	1440/1985	1440/1985
Max. Speed (km/h)	85	85
Max. Grade ability (%)	20	20
Range (km)	200 full load	320 full load
Driving Mode	4×2	4×2
Rated/Max Motor Power(kw)	150/180	150/180
Motor Rate /Max.Torque (N.m)	750/1500	750/1500
Battery Type	Lithium iron phosphate battery	
Vehicle Voltage (V)	640	512
Vehicle Battery Capacity(KWh)	217	348
Charging Power (kw)	DC 120/AC 40	DC 120/AC 40
Charging Time (h)	DC 2.5/AC 5.5	DC 3/AC 8.5



# T9- 26Ton Chassis Cab

Electric truck for logistic and refuse





# T9- 26Ton Chassis Cab

Electric truck for logistic and refuse

## T9-Specifications



Cab Chassis Parameters	T9
Overall dimension(mm)	7695×2550×3080
Curb Weight(kg)	9600
GVWR(kg)	25000
Payload(kg)	15400(including upper part)
Wheelbase(mm)	4000+1350
Front/Rear Overhang(mm)	1445/900
Max. Speed (km/h)	85
Max. Grade ability (%)	30
Range(km)	200
Driving Mode	6×4
Rated/Max Motor Power(kw)	110*2/150*2
Motor Rate /Max.Torque (N.m)	400*2/550*2
Battery Type	LFP
Vehicle voltage(V)	640
Battery Capacity(kWh)	217.6
Charging Power(kw)	DC 120
Charging Time (h)	DC 2



# T10- 31 Ton Chassis Cab Construction





# T10- 31 Ton Chassis Cab

## Construction



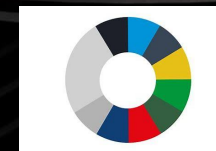
### T10-Specifications

Cab Chassis Parameters	T10ZT
Overall dimension(mm)	9170×2250×3210
Curb Weight(mm)	13000
GVWR(kg)	31000
Payload(mm)	18000
Wheelbase(mm)	1850+3200+1350
Front/Rear Overhang(mm)	1445/1325
Max. Speed (km/h)	≥85
Max. Grade ability (%)	≥50%
Range(km)	280 Full load
Driving Mode	8×4
Max Motor Power(kw)	344
Max.Torque (N.m)	3500
Battery Type	Lithium iron phosphate battery
Vehicle voltage(V)	640
Battery Capacity(KWh)	435
Charging Power(kw)	DC 120*2
Charging Time (h)	2h



# BYD Q1(4X2) / BYD Q3(6X4)

Electric tractor head for distances of 130 km





# BYD Q1(4X2) / BYD Q3(6X4)

Electric tractor head for distances of 130 km

## Q1/Q3-Specifications



Cab Chassis Parameters	Q3	Q1
Overall dimension(mm)	6945×2550×3080	5950×2550×3080
Curb Weight(kg)	9700	8200
GCWR(kg)	39000	33500
Fifth Wheel Plate Rate(kg)	20000	20000
Wheelbase(mm)	3500+1350	3500
Front/Rear Overhang(mm)	1445 / 800	1440 / 960
Max. Speed (km/h)	85	95
Max. Grade ability (%)	20	20
Range(km)	130 Full load	120 Full load
Driving Mode	6×4	4×2
Rated/Max Motor Power(kw)	110×2/150×2	150 / 180
Max.Torque (N.m)	400×2/500×2	750/1500
Battery Type	Lithium iron phosphate battery	Lithium iron phosphate battery
Vehicle voltage(V)	642.2	642.2
Battery Capacity(kWh)	217	217
Charging Power(kw)	DC 120	DC 120/AC 40
Charging Time (h)	DC 2	DC 2 /AC 5.5





**Thank you**