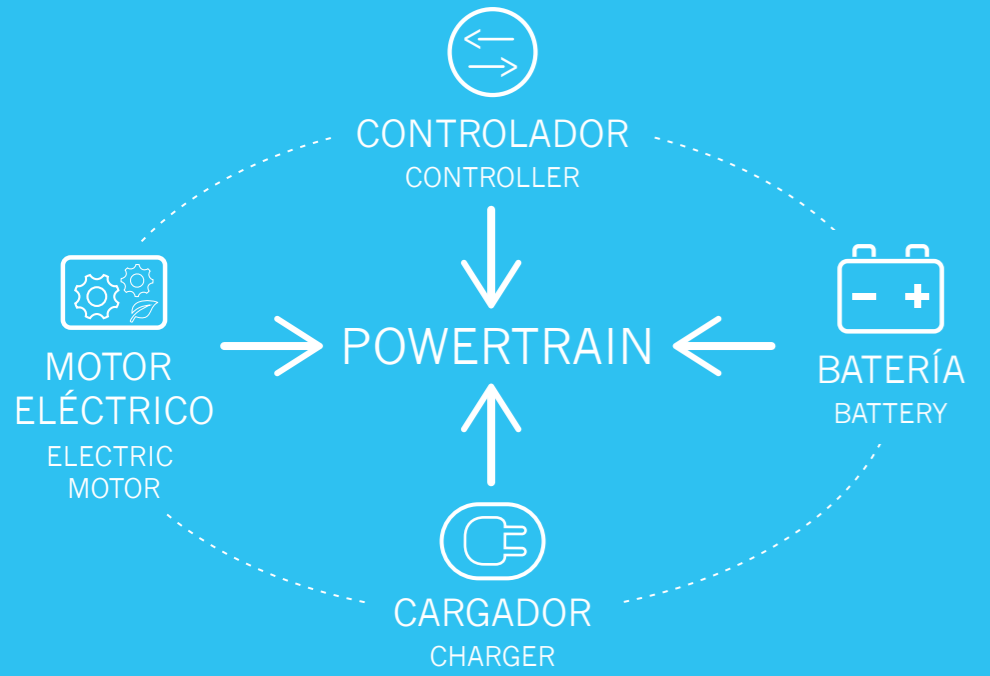


# ELECTRIC POWERTRAIN

Electric Powertrain es una plataforma para motocicletas y vehículos ligeros eléctricos que comprende el diseño, desarrollo, integración y producción de todos sus componentes:

Electric Powertrain is a platform for motorcycles and light electric vehicles which covers the design, the development, the integration and the manufacturing of all its components:

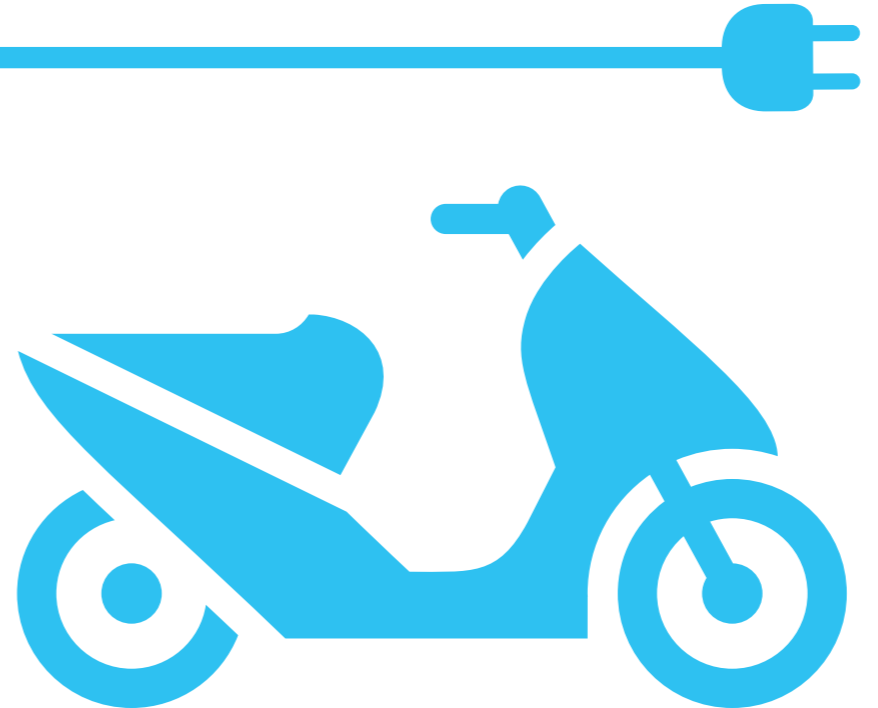


[www.clustermoto.org](http://www.clustermoto.org)  
[powertrain@clustermoto.org](mailto:powertrain@clustermoto.org)



Global Solutions for **Light Electric Vehicles**

# ELECTRIC POWERTRAIN SOLUTIONS



# ELECTRIC POWERTRAIN SOLUTIONS

Suministramos a fabricantes de vehículos soluciones de powertrain probadas, gracias al trabajo previo realizado por los expertos en los componentes.

**Adaptamos nuestros powertrain a las necesidades específicas del cliente para ofrecer una solución óptima.**

We supply vehicle manufacturers with proven powertrains through the previous job done by each component experts.

**We customize powertrains and its components for an optimal solution.**

# ELECTRIC POWERTRAIN SOLUTIONS

POWERTRAIN	BLDC 0.25kW - 1	BLDC 0.5kW - 1	BLDC 0.5kW - 2	DC 0.5kW	DC 0.75kW
Continuous Power (Peak Power)	250W	500W	500W	500W	750W
Voltage	36V	36V	36V	24V	36V
Motor technology	BLDC sensor	BLDC sensorless	BLDC sensor	Bushed DC Motor	Bushed DC Motor
Motor emplacement	Wheel 24-28"	Wheel 24-28"	Wheel 24-28"	Chassis	Chassis
Removable/fix battery	Removable	Removable	Removable	Fix	Fix
Outboard/onboard charger	-	-	-	-	-
Custom versions	Available	Available	Available	Available	Available

## COMPONENTS

Motor	-	-	-	DOGA 321.1	DOGA 321.2
Controller	GUILERA 23360025	FIDES R100.01.00	GUILERA 23360050	FIDES N040.01.00	FIDES N040.02.00
Battery	AMOPACK E-MC104	AMOPACK E-MC105	AMOPACK E-MC105	AMOPACK E-MC73	AMOPACK E-MC102
Charger	-	-	-	-	-

POWERTRAIN	DC 1.3kW - 1	DC 1.3kW - 2	BLDC 2kW	BLDC 4kW	BLDC 8kW
Continuous Power (Peak Power)	1,3kW	1,3kW	2kW (4kW)	4kW (7kW)	8kW (14kW)
Voltage	48V	48V	48V	48V	72V
Motor technology	Brushed DC Motor	BLDC sensor	BLDC HUB Motor	BLDC HUB Motor	BLDC HUB Motor
Motor emplacement	Chassis	Chassis	Wheel 13" rim & larger	Wheel 13" rim & larger	Wheel 13" rim & larger
Removable/fix battery	both options available	both options available	both options available	both options available	-
Outboard/onboard charger	Outboard	Outboard	Outboard	Outboard	-
Custom versions	Available	Available	Available	Available	Available

## COMPONENTS

Motor	DOGA 321.4	-	DOGA 322 2kW	DOGA 322 4kW	DOGA 322 8kW
Controller	FIDES Q245.01.00	GUILERA 23400130	GUILERA 23480200	GUILERA 23480400	GUILERA 23720800
Battery	TICNOVA BAL13	TICNOVA BAL13	TICNOVA BAL13	TICNOVA BAL13	-
Battery	AMOPACK E-MC128	AMOPACK E-MC128	AMOPACK E-MC128	AMOPACK E-MC128	-
Charger	FERVE F-4808L	FERVE F-4808L	FERVE F-4808L	FERVE F-4808L	-



 **MOTOR ELÉCTRICO**  
ELECTRIC MOTOR

**DOGA**  
CUSTOMIZED SOLUTIONS  
*Your global partner*

**DOGA, S.A.**

[www.doga.es](http://www.doga.es)

Autovía A2, km. 583  
08630 Abrera - Barcelona - España  
T. +34 937 704 600  
F. +34 937 702 352

[doga@doga.es](mailto:doga@doga.es)

 **BATERÍA**  
BATTERY

 **AMOPACK**

**AMOPACK, S.L.**

[www.amopack.com](http://www.amopack.com)

Becolarra, 4, Pab 16,27  
Pol. Ind. Ali-Gobeo  
01010 Vitoria - España  
T. +34 945 249 354  
F. +34 945 241 707

[amopack@amopack.com](mailto:amopack@amopack.com)

 **Ecomotive**  
innova

**TICNOVA QUALITY TEAM S.L.**

[www.emic.es](http://www.emic.es)

C/ Ignasi Iglesias, 161  
Pol. Ind. Mas de les Ànimes  
43206 Reus - Tarragona - España  
T. +34 977 309 100

[jdelgado@ticnova.es](mailto:jdelgado@ticnova.es)

 **CONTROLADOR**  
CONTROLLER

 **GUILERA**  
YOUR electronic smart solutions

**GUILERA, S.A.**

[www.guilera.com](http://www.guilera.com)

Ramon Llull, 8  
08750 Molins de Rei  
Barcelona - España  
T. +34 936 681 794  
F. +34 936 686 657

[guilera@guilera.com](mailto:guilera@guilera.com)

 **FIDES**  
ELECTRÓNICA

**FIDES ELECTRÓNICA S.L.**

[www.fides-electronica.com](http://www.fides-electronica.com)

Av. Cerdanyola, 98 Esc A, pl. 2, loc. 5  
08173 St Cugat del Vallés  
Barcelona - España  
T. +34 935 908 585  
F. +34 935 908 586

[fidesing@fidesing.com](mailto:fidesing@fidesing.com)

 **CARGADOR**  
CHARGER

 **FERVE**  
THE BATTERY LIFE

**FERVE, S.A.**

[www.ferve.com](http://www.ferve.com)

Ctra. Calafell, 15-25  
43700 El Vendrell - Tarragona - España  
T. +34 977 660 500  
F. +34 977 661 160

[sales@ferve.com](mailto:sales@ferve.com)