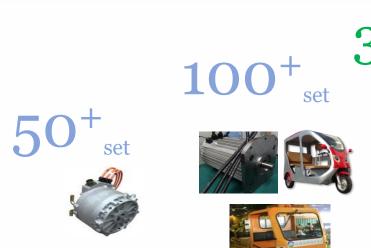
TECO EVs Experience



set Individual to Integrated











Inverter 2 in 1 design

Motor & Inverter



T Power 2in1

with ITRI



T Power 3in1 30-125kW Integrated Development Motor, Drive and Gear



E-Bus

Collaboration with Visedo (Finland) to **Technical License** Agreement



Strategic codevelopment with car • Integrating Motor and maker (Brand L.)



develop logistic vehicle with ITRI, vehicle-



E-Trike (3W)

Pre Production at Subic in **Phillipines**



E-Van

miles travel km.320K



Traction 150 ~3ookWMotor and Drive for E-Bus.



1998... 2015

Co-develop In-wheel motor with Japanese

Sim Drive

Professor

2018

2019

2020

2021

T Power by TECO



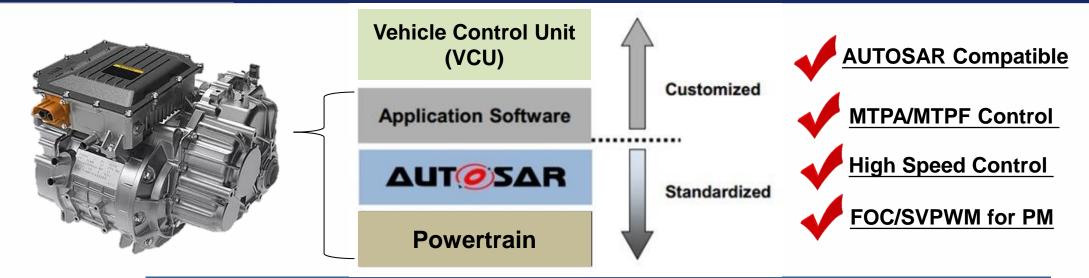
T Power 2in1 50~130kW



T Power 3in1 30~125kW



T Power: Core Technologies



21 Patents, 16 are inventions (Taiwan & US)

Permanent Magnet Synchronous Motor (PMSM)

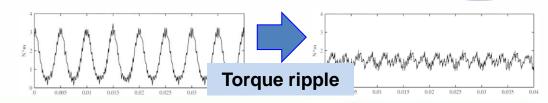
- ✓ Patented rotor ` stator design & manufacturing technology
- ✓ Lower torque ripple 40% and low operation noise 68dB

Patented Technology

Low noise
Low vibration

Rotor structure Pat. N0: I467983

Stator boot Pat. No.:I524632



Design

Compact and Modularization



T Power 3in1 95kW

T Power is the next generation powertrain for electric vehicles.

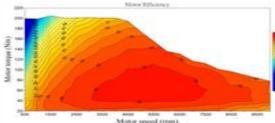
- Compact in volume by 25% and reduced weight 15%
- Modular design (30~130kW) with one frame size
- Efficiency: 93.6% M+I system, extend cruise range 10%+
- Maximum speed: 12,000 RPM (vehicle speed: 180 KMPH)
- Motor torque: 250Nm (to wheel Max. 2,500Nm)
- Mass: 70kg weight, including motor (48kg), drive (12kg), Gear (10kg).

Model Type	T Power EDM2	T Power EDM1
Peak Power (kW)	95	95
Wheel Torque (Nm)	2152	2152
Weight (kg)	70	75.8
Power Density (kW/kg)	1.36	1.25
Length (mm)	423	470
Width (mm)	450	450
Height (mm)	340	364
Volume (Litres)	64.7	77
Volume Density (kW/L)	1.47	1.23

TECO Quality

Design and Manufacture







System efficiency 93.6% (Drive 97% · Motor 96.5%)

Environmental Stress



Thermal shock

Salt spray test





IP 67 test

Vibration shock test

ISO 19453 年 03 月 29 日 ARTO 於國法人事輛研究測試中心 Automotive Research & Tosting Center 8064 新法學服務是工程的報子 The 1886 4-781222 Fax-888-4/781177 No 6, Lupong 8. 7th Rd., Luking Township, Changhiar County 50544, Taiwan (FLOC.)

- ✓ Thermal shock (120hr)
- ✓ Salt spray test (96hr)
- ✓ IP 67 test (I:8hr / P:30min underwater of 1 meter)
- √ Vibration shock test (50G)

Reliability Testing



- **√35% Gradeability verification**
- √ Testing with Taiwan local company

T Power series

Product

T Power (30~130 kW)







Logistic Car



Van

Passenger Car







BUS (12M)

T Power+ (150~300 kW)









Heavy Truck (5t~17t)

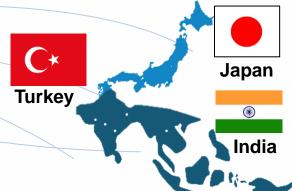


Marine &Off Road



Taiwan









TECO GO ECO

THANK YOU

