

# Motomea RDS Regenerative Dynamometer System

For Medium & Large Motors  
IEC 60034-2-1 & IEEE 112



## Full Turnkey Systems

### IEC 60034-2-1 & IEEE 112

Automatic testing, including motor efficiency with summation of losses, and determination of loss components.

### EV Motor Testing & Simulations

- 4-quadrant operation & regenerative braking.
- Road Load Simulation & Drive Load Simulation:  
Automatic motoring-generating switching, based on user predefined sequences.
- Battery Simulation:  
Resistance, charging & discharging.
- Battery Testing:  
Charging & discharging in CV, CC, CP, and CCCV.
- Power Supply Simulation:  
Regenerative DC power supply.

### Starter Motors & Solenoids

Complete load performance & Battery load simulation. Solenoid pull-in & hold-in coil resistance, current, and contact voltage drop.

### DC Wiper & Reversible Wiper Motors

Measures and records reversing load test sequence, at incremental torque loads.

### Micro & Small Motors

Complete load performance. Dynamic tests: cogging, back EMF and friction torque. Fast dynamic load changes for Servo & BLDC applications.

### Actuator & Linear Motors

Time-load-distance, speed, propulsive, and cogging torque characteristics. Load control and force detection in forward and backward directions.



**Motomea**



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Includes also:

**Our Worldwide Patent**

Complete Load Performance  
without using any Load