

# StarSim FPGA Circuit Motor Library

## For real-time simulation of various types of motors

### StarSim FPGA Motor Library

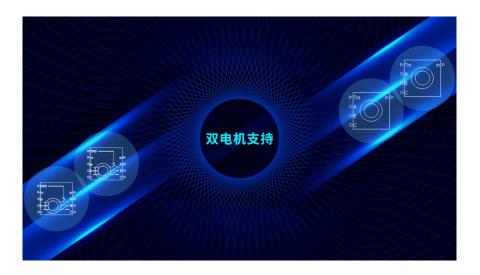
StarSim FPGA Motor Library is a software section developed by ModelingTech. Specially for simulating various types electric motor, which usually is used combine with StarSim FPGA Circuit Solver, StarSim HIL. With StarSim FPGA Motor Library, StarSim real-time simulator is able to run motor model on FPGA in 1µs timestep, so as to achieve more accurate motor simulation.

## **Detailed Highlights**



#### Running in us-level timestep

Motor models run in us-level timestep on FPGA, so users can accurately simulate operating characteristics of motors.



#### **Dual motors support**



Support 2 three-phase PMSMs or 2 three-phase squirrel cage motors.

#### Supporting multiple motor position sensors

Supporting a lot of motor position sensor includes encoder, hall, resolver.

## **Application Scenarios**



## ModelingTech 远宽能源

## SOFTWARE



AC Domestic appliance,industry drive motor



DFIG wind electrogenerating,hydraulic electrogenerating



#### Six-Phase PMSM

E-vehicle,ship electric propulsion,wind electrogenerating