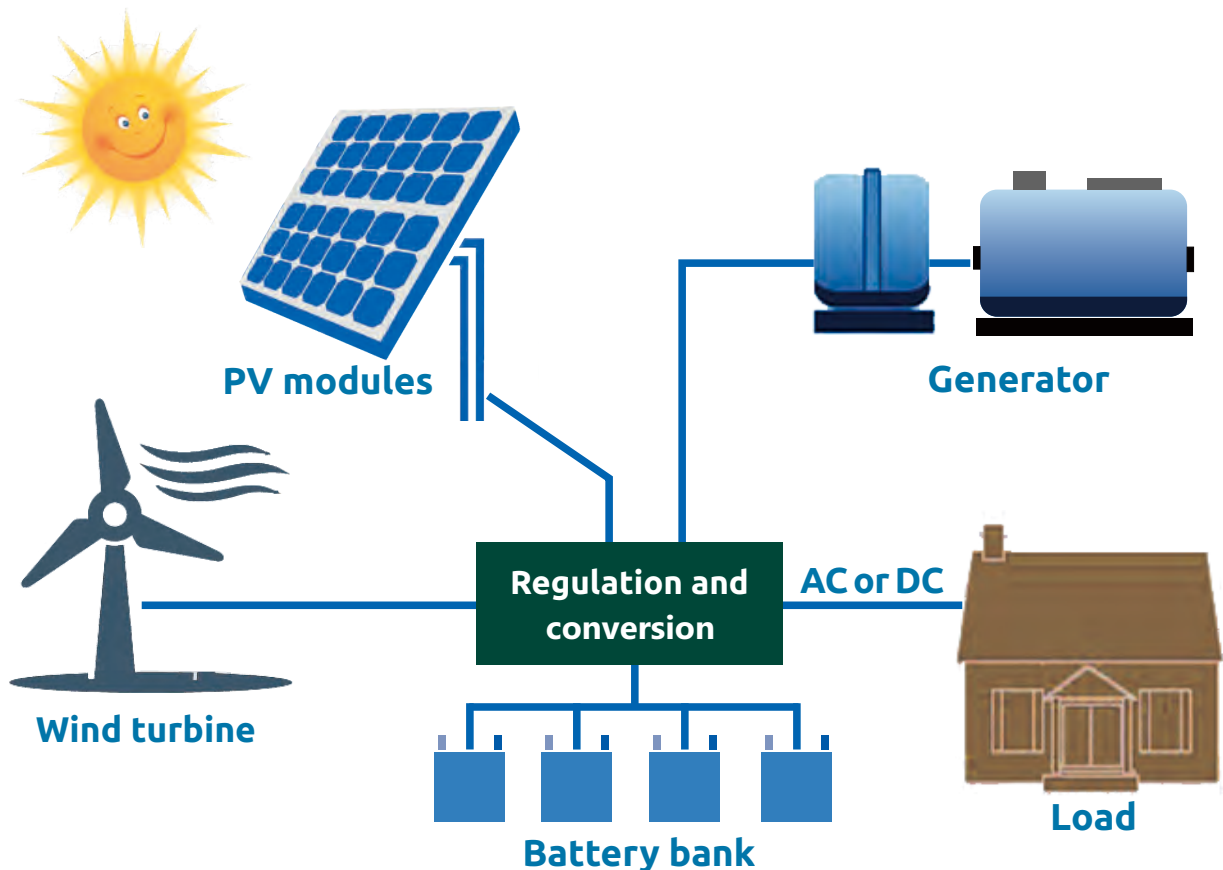


# Wind and Solar Hybrid System

## GES-500



The sun and the wind resources have different cycles and intensities during the same day or in different seasons therefore, the hybrid solution is the best option. Hybrid renewable energy system combines two or more renewable energy sources like wind energy and solar system.



With GES-500 teaching platform, on-grid and off-grid solar power, wind power and hybrid experiments can be constructed. It can help students understand the theory and further create practical applications. GFC-3100 PEM Fuel Cell Hybrid Training System can be added to GES-500 for further implementation of hybrid power experiments.



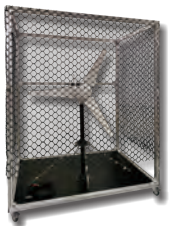
Wind Generator Set



Three-phase Rectifier



Digital DCV/DCA Meter



Horizontal Axis Wind Turbine



Wind/Solar Hybrid System Controller



Battery Bank



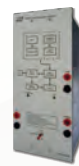
Solar Energy/Temperature Meter



Multifunction Power Meter



Anemometer



MPPT Solar Charging Controller



DC Generator Load Resistor



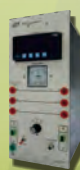
PV Set



Grid-tie Inverter



DC Load



Wind Energy Monitor



DC-AC Inverter



AC Load