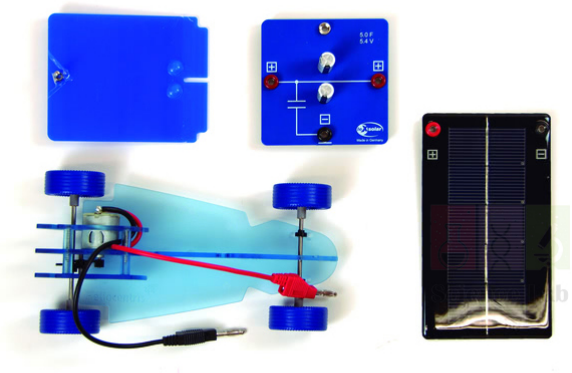
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Product Name :

Solar EMobility Basic

Product Code :

SLE/PHY/207



Email : sales@scilabexport.com
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Description :

Solar EMobility Basic (Product Code: SLE/PHY/207) is an electric-mobility experiment kit used to let students drive an electric model car from a supercapacitor or directly from a solar module in primary and junior high school science lessons. It brings energy storage and an electric vehicle together in one kit, with a 2.5 V, 420 mA solar module and a 5.0F/5.4V capacitor module, and works alongside the Solar-Minikit Basic or Solar-Kit Basic. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Solar module	2.5 V, 420 mA
Capacitor module	5.0F / 5.4V (supercapacitor)
Vehicle	Electric model car, powered by the supercapacitor or directly by thesolar module in sunlight
Expansion	Combined with Solar-H2 Basic, a fuel cell car can be built
Also needed	Solar-Minikit Basic (primary school) or Solar-Kit Basic (junior high school), each containing the necessary accessories
Product code	SLE/PHY/207
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

Components:

- 1 x solar module 2.5 V, 420 mA
- 1 x capacitor module 5.0F/5.4V
- 1 x electric model car
- 1 x insert EMobility basic
- 1 x layout diagram EMobility Basic
- 1 x info sheet initial startup
- 1 x carton

What Is the Solar EMobility Basic Used For?

Students experience electric mobility close up. In one run they store energy in the capacitor module and watch the model car race across the classroom on that stored charge; in another they connect the solar module and drive the car straight from sunlight. Comparing the two raises the key questions of electric transport — why a vehicle needs storage, what happens when a cloud passes, and how storage and generation work together. As a solar energy science kit, India's primary and junior high classes can use it to introduce these ideas with simple, illustrative experiments.

For solar runs, work outdoors or in strong direct light, as the module depends on sunlight. Observe the polarity marked on the capacitor module and never charge it beyond its 5.4V rating. The layout diagram and start-up info sheet show how the parts fit together with your base kit.

Wha