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**Product Name :**

Solar New Energy Ready-To-Go

**Product Code :**

SLE/PHY/217



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## Description :

The Solar-New Energy Ready-to-go is specifically adapted for young students in Primary and Junior High School and provides by qualitative and quantitative experiments an understanding of the topics photovoltaic, wind power, hydro power, electric mobility and fuel cells. Like the other products of the Ready-to-go line, the Solar-New Energy Ready-to-go amazes with its flexible and location-independent usability that doesn't require any additional equipment. With the enclosed Smart Control components, an innovative measuring and control system is available and all necessary accessories like power supply, cables and measuring devices are already included.

### Experiments Primary level :

From muscular strength to current...to light  
From muscular strength to current...to motion  
From muscular strength to current...to Noise  
The solar cell drives a motor  
The solar module powers a buzzer  
The wind turbine powers a buzzer  
The wind turbine powers a LED  
Influence of the wind direction  
Influence of the rotor blade shape  
Influence of the wind speed  
The solar module powers a LED  
The larger the solar cell, the ...?  
The solar module powers a LED  
From the solar cell to the solar module  
Shading of solar modules  
The water wheel powers a buzzer  
Influence of the water falling height  
Storage of solar energy  
Storage of wind energy  
What is an Elektrolyzer?  
How can water be split?  
What is a fuel cell?  
The fuel cell drives the motor  
The fuel cell powers the buzzer  
Energy demand of several consumers  
Comparison of light bulb and LED  
Storage and output of energy...EMobility

### Experiments Secondary level :

Forms of energy and consumers  
Basic structure: rotation discs  
Color qualities  
Mixing colors  
Color-deception with the Benham-disk  
Characterist  
Characterist  
Relief-disk  
Dependence

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