



Email : sales@laboratoryinstrumentindia.com

**Product Name :**  
Solar Cell Measurements Unit

**Product Code :**  
LBNY-0005-125000133



#### **Description :**

Lighting unit with adjustable illuminance  
Backing for solar cells with peltier module for regulating temperature  
Trainer for solar cell measurements  
Four monocrystalline silicon solar cells  
Function for automated measuring of characteristic curves  
Reference cell as illuminance sensor  
Patch panel with bypass diodes and adjustable load resistance for selectable types of connection with individual cells.

#### **Technical Specification :**

Cell type: monocrystalline  
Cell size: 125x125mm  
Typical characteristics of a cell:  
Max. Output: 2,45w  
Fill factor: 76%  
Open-circuit voltage: approx. 0,6v  
Short-circuit current: approx. 5,4a  
Voltage at max. Output: approx. 0,5v  
Current at max. Output: approx. 4,8a  
Lighting unit: 4x 100W  
Peltier module: 20°C...60°C.



**Laboratory Instrument India**