Due on 2021-10-13, 23:59 IST.

Course outline How does an NPTEL online course work? Module 1 - Overview of Electric Vehicles in India Module 2 - Vehicle Dynamics Module 2 and 3 - Vehicle Dynamics and EV Subsystems Module 4 - Storage for EVs Module 4 - Storage for EVs (contd) Module 5 - Fundamentals of battery pack design Module 5 and 6 - Battery Pack Design, Motors and Controllers Module 6 - EV Motors and Controllers Module 7&8 - Battery Charging and Swapping, Analytics Module 9: Renewable Energy - Introduction Module 10: Renewable Module 10: Renewable Energy - Solar and Wind Energy Solar Photovoltaic Solar Cell and its Characteristics Solar Cells to Modules Wind Energy The War of Currents The birth of Solar - DC Quiz: Week 11: Assignment 1 Quiz: Week 11: Assignment 2 Quiz: Week 11: Assignment

Week 11: Assignment 3

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment.

Three modules as shown below are connected in series. Find the resultant VM and IM of the setup.

Modules	VM (Volts)	IM (Ampere)
A	15	4.5
В	15.2	4.0
С	15.6	3.8

1) VM = _____ V

No, the answer is incorrect. Score: 0

Accepted Answers:

(Type: Numeric) 45.8

2) IM = ____ A

No, the answer is incorrect.

Score: 0

Accepted Answers:

(Type: Numeric) 3.8

(Type: Numeric) 3.8

- Quiz: Week 11: Assignment 4
- Week 11: Feedback form: Electric Vehicles and Renewable Energy
- Week 11: Lecture notes
- Week 11: Solutions

Module 11: Renewable Energy

Live Session

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1 point

1 point

1 point

3) A solar module of dimension (80 cm x 80 cm) produces a voltage of 4.5 V and a current upto 18 A. If the solar insolation is $1000 (W/m)^2$, then calculate the efficiency of solar panel.

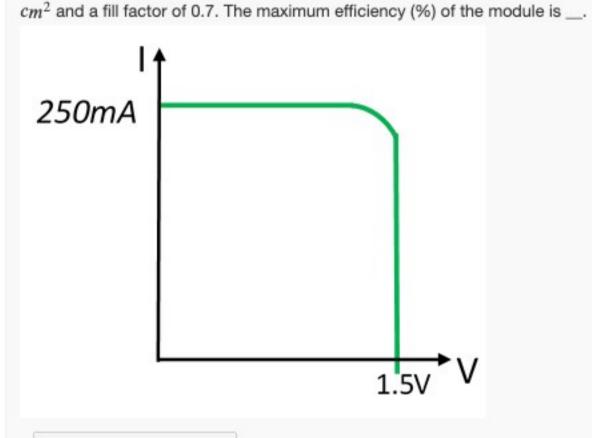
No, the answer is incorrect.

Score: 0 Accepted Answers:

(Type: Range) 12,14

(Type: Range) 0.12,0.14

4) The figure below shows the IV characteristics of a solar cell illuminated uniformly with solar power of 100 mW/cm². The solar cell has an area of 12



No, the answer is incorrect. Score: 0

Accepted Answers: (Type: Range) 20,23