Week 5: Assignment 3

The due date for submitting this assignment has passed.

Due on 2021-09-01, 23:59 IST.

As per our records you have not submitted this assignment.

Use a 10kWh Battery with Capital Cost ₹1,00,000 with life of 3000 cycles, use of 1 cycle per day. Use 0.9 DoD and have 80% EoL, and take the rate of interest as 12%.

1) **Use PMT in excel to compute usage cost per kWh of battery. The cost per kWh is**

[   ]

No, the answer is incorrect.
Score: 0
Accepted Answers:
(Type: Range) 6.6,6.8

1 point

2) **Use the PMT approximation discussed to compute usage cost per kWh of battery. The cost per kWh is (Correct up to 2 decimal places)**

[   ]

No, the answer is incorrect.
Score: 0
Accepted Answers:
(Type: Range) 6.5,6.9

1 point

3) **Now assume the life-cycle of the battery is impacted by calendar life by 1% per year. Compute usage cost per kWh (Correct up to 1 decimal place)**

[   ]

No, the answer is incorrect.
Score: 0
Accepted Answers:
(Type: Range) 8.2,8.6

1 point