

A storage battery of emf 8v Jersey

A storage battery of emf 8.0 V and internal resistance 0.5 Ω is being charged by a 120 V dc supply using a series resistor of 15.5 Ω . What is the terminal voltage of the battery during charging? What is the purpose of having a series resistor in the charging circuit?

A storage battery of emf 8.0 V and internal resistance 0.5 Ω is being charged by a 120 V dc supply using a series resistor of 15.5 Ω . What is the terminal voltage of the battery during ...

A storage battery of emf 8.0 V and internal resistance 0.5Ω is being charged by a 120 V dc supply using a series resistor of 15.5Ω . What is the terminal voltage of the battery during charging? What is the purpose of having a series resistor in the charging circuit? Show more...

A storage battery of emf 8.0 V and internal resistance 0.5Ω is being charged by a 120V dc supply using a series resistor of 15.5Ω what in <- Prev Question Next Question -> +1 vote

A storage battery of emf 8V and internal resistance 0.5 ohm is being charged by a 120 v dc supply using a series resistor of 15.5 ohm. What is the terminal voltage of the battery during charging? 02:34. A battery of emf 10V and internal resistance 3ohm are connected to a resistor. If the current in the circuit is 0.5A what is the resistance of ...

A storage battery of EMF 8V, internal resistance 1 ohm is being charged by 120 V D.C. source using a 15 ohm resistor in series in the circuit. Calculate (i)current in the circuit (ii)terminal ...

Emf of the battery $e = 8 \text{ V}$, emf of DC supply $V = 120 \text{ V}$ Since, the battery is being charged, so effective emf in the circuit $E = V - e = 120 - 8 = 112 \text{ V}$ Current in circuit, $I = \frac{\text{Effective emf}}{\text{Total resistance}} = \frac{112}{0.5 + 15.5} = 7 \text{ A}$ The battery of 8 V is being charged by 120 V, so the terminal potential across battery of 8 V ...

A storage battery of emf 8V internal resistance 1 ohm is being charged by a 12 V d.c source using a 15-ohm resistor in series in the circuit. Calculate the current in the circuit. Electric Circuit. An electric circuit is where electron from a potential difference or current source flow. It is designed for the current flow.

A Storage battery of emf 8.0V and internal resistance 0.592 is being charged by a 120V dc supply using a series resistor of 15.512. What is the terminal voltage of the battery during charging ? 1) 11.5V 2) 15.5V 3) 17.5V 4) 14.5V. Solve Study Textbooks Guides. Join / Login && Class 12

A storage battery of emf 8.0 V and internal resistance 0.5 Ω is being charged by a 120 V dc supply using a series resistor of 15.5 Ω . What is the terminal voltage of the battery during charging? What is the purpose of

A storage battery of emf 8v Jersey

having a series resistor in the charging circuit?

Emf of the storage battery $E = 8.0 \text{ V}$ Internal resistance of the battery $r = 0.5 \text{ } \Omega$ ODC supply voltage $V = 120 \text{ V}$ Resistance of the resistor $R = 15.5 \text{ } \Omega$ Effective voltage in the circuit = $V - IR$ is connected to the storage battery in series. Hence it can be written as Voltage across resistor R given by the product $IR = 7 \times 15.5 = 108.5 \text{ V}$ DC supply voltage = Terminal voltage of battery + Voltage ...

A storage battery of emf 8 V, internal resistance 1 Ω , is being charged by a 120 V d.c. source, using a 15 Ω resistor in series in the circuit. Calculate the chemical energy stored in the battery in 5 minutes.

(i) A storage battery of emf 8 V, internal resistance 1 Ω is being charged by a 120 V d.c. source using a 15 Ω resistor in series in the circuit. Calculate the current in the circuit (ii) terminal voltage across the battery during charging and (ii) chemical energy stored in the battery in 5 minutes.

A storage battery is of emf 8V and internal resistance 0.5 ohm is being charged by d.c supply of 120 V using a resistor of 15.5 ohm a) Draw the circuit diagram. b) Calculate the potential difference across the battery. c) What is the purpose of ...

A storage battery of emf 8.0 V and internal resistance 0.5 Ω is being charged by a 120V dc supply using a series resistor of 15.5 Ω what in the terminal voltage of the battery during charging ? What is the purpose of having a series resistor in the charging circuit?

A storage battery of emf 8V and internal resistance 0.5 ohm is being charged by a 120 V d.c supply using a series resistor of 15.5 ohm. What is the terminal voltage of the battery during charging? what is the purpose of having a series resistor in the charging circuit? 00:21.

Web: <https://www.solar-system.co.za>

