A storage battery of emf 8v Jersey

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

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

A storage battery of emf $8.0 mathrm{~V}$ and internal resistance $0.5 Omega$ is being charged by a $120 mathrm{~V}$ de supply using a series resistor of $15.5 Omega .$ 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 `0.5 Omega` is being charged by a 120V dc supply using a series resistor of `15.5Omega` 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 ciruit 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 V, emf of DC supply V = 120 V Since, the battery is bring changed, so effective emf in the circuit E = V - e = 120 - 8 = 112 V Current in circuit, I = Total resistance Effective emf = r + R E = 0.5 + 15.5 112 = 16 112 = 7 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 de supply using a series resitor 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 O is being charged by a 120 V dc supply using a series resistor of 15.5 O. What is the terminal voltage of the battery during charging? What is the purpose of

having a series resistor in the charging circuit?

Emf of the storage battery E = 8.0 VInternal resistance of the battery r = 0.5 ODC supply voltage V = 120 VResistance of the resistor R = 15.5 OEffective voltage in the circuit = V1R is connected to the storage battery in series. Hence it can be written asVoltage across resistor R given by the product IR = 7 × 15.5 = 108.5 V DC supply voltage = Terminal voltage of battery + Voltage ...

A storage battery of emf 8 V, internal resistance 1 O, is being charged by a 120 V d.c. source, using a 15 O 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 O is being charged by a 120 V d.c. source using a 15 O 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 O is being charged by a 120V dc supply using a series resistor of 15.5 O 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 ciruit? 00:21.

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