Cyprus a storage battery of emf 8v

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 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?

Solution For A storage battery of emf 8.0 V and internal resistance 0.5O is being charged by a 120 V dc supply using a series resistor of 15.5O. What is the teral voltage of the battery d. World"s only instant tutoring platform. Instant Tutoring Private Courses Explore ...

when the storage battery emF 8 V is charged with a d.c supply of 120V the net EMF of the circuit E= 120 - 8 = 112V Therefore the current in the circuit during charging, The terminal voltage of the storage battery would be equal to the sum of its EMF and the potential difference across its internal resistance i.e. terminal 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 ...

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? View More. 00:21. Example 15: - The emf of a storage battery is 90 V before charging and 100 V after charging. When charging began the current was 10 A.

Hello. In the question it is given consider one storage battery of E M. F. Eight world. So E. M storage battery is equal to eight gold. And the internal resistance of the same battery is found to be 0.5. And that these two sets that is a storage battery with the world E. M. F. And internal storage is being charged to buy one dc power supply. Uh ...

Step by step video & image solution for (i) A storage battery of emf 8V, internal resistance 1 Omega is being charged by a 120 V d.c. source using a 15 Omega 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 ...

(i) A storage battery of emf (8)(V), internal resistance (1)Omega is being charged by a (120)(V) d.c. source using a (15)Omega resistor in series in the circuit. Calculate the current in the ...

Cyprus a storage battery of emf 8v

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) ...

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 having series resistance in this circuit?

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 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 terminal voltage across the battery during charging.

(i) A storage battery of emf `8V`, internal resistance `1 Omega` is being charged by a `120 V` d.c. source using a `15 Omega` 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.

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 O, is being charged by a 120V d.c. source, using a 15 O resistor in series in the circuit. Calculate (i) the current in the circuit. (ii) terminal voltage across the battery during charging, and (iii) ...

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