

K035 Tests

Ref 605

Inverter is

- (a) Electrical device that converts direct current to alternating current
- (b) Electrical device that converts alternating current to direct current
- (c) Electrical device that converts alternating current to another level of alternating current
- (d) Electrical device that converts direct current to another level of direct current

A		B	
C		D	
Answer			

Ref 606

By switching the DC current rapidly, it can form

- (a) Wave with higher value
- (b) Alternating wave
- (c) Nothing coming out
- (d) Constant wave

A		B	
C		D	
Answer			

Ref 607

PWM-Pulse width modulating is to provide

- (a) The regulated out put voltage
- (b) To fix the output value at constant
- (c) To regulate the width of a square wave pulse to regulate or adjust the inverter's output voltage
- (d) To amplify the voltage

A		B	
C		D	
Answer			

Ref 608

Which type of oscillator is utilized in sine wave inverter

- (a) Budbba oscillator
- (b) Wien bridge oscillator
- (c) Butterworth oscillator
- (d) Carrier wave oscillator

A		B	
C		D	
Answer			

Ref 609

Which type of switch is mostly utilized in PWM inverter driver circuit?

- (a) H Bridge MOSFET switch
- (b) Change over switch
- (c) Cascaded transistor switches
- (d) By pass switch

A		B	
C		D	
Answer			

Ref 610

Which order is correct to arrange the solar inverter system?

- (a) Solar array, ac filter, inverter, line
- (b) Solar array, inverter, ac filter, line
- (c) Solar array, inverter, dc regulator, line
- (d) Solar array, dc regulator, line

A		B	
C		D	
Answer			

Ref 611

What is the correct operating of islanding protection?

- (a) Detect the position of sun and rotate the solar arrays to face the direction of sun
- (b) Detect the shadow and regulate the current flow into solar array
- (c) Detect the grid voltage when the grid voltage is zero, it switches off the inverter circuit
- (d) Detect the grid voltage, when the grid voltage is zero, it switches on the inverter circuit

A		B	
C		D	
Answer			

Ref 612

MOST FET driver circuit is connected to operate

- (a) MOSFET Switches
- (b) Filter
- (c) Oscillator
- (d) Voltage regulator

A		B	
C		D	
Answer			

Ref 613

Which operation is the one that best describes the operation of filter

- (a) In order to optimize the frequency, a switching frequency must be chosen which is low enough to keep the switches in line but high enough to make sure the filter inductor is not unnecessarily large
- (b) In order to optimize the voltage, a switching voltage must be chosen which is low enough to keep the switches in line but high enough to make sure the filter inductor is not unnecessarily large
- (c) In order to optimize the frequency, a switching frequency must be chosen which is high enough to keep the switches in line but high enough to make sure the filter inductor is not unnecessarily low

(d) In order to optimize the current, a switching current must be chosen which is low enough to keep the switches in line but high enough to make sure the filter inductor is not unnecessarily large

A		B	
C		D	
Answer			

Ref 614

Which type of filter is suitable for inverter filter design

- (a) High pass filter
- (b) Band pass filter
- (c) Band stop filter
- (d) Square wave low pass two pole filter

A		B	
C		D	
Answer			

Ref 615

Which is the correct arrangement of Grid connected PV inverter system?

- (a) PV Modules, Inverter, AC isolator, DC isolator, meter/outlet, power grid
- (b) PV Modules, DC isolator, inverter, ac isolator, meter/ outlet, power grid
- (c) PV Modules, DC isolator, power grid
- (d) PV modules, DC Isolator, Battery charger, Inverter, AC isolator, power grid