



Questionnaire for Power Inverter Solutions

Provide Agent ID if request is made through an agent

Agent ID

Customer Details

Contact Person

Address

Mobile

Email

Site Details

Project Location

Location Type: Residential Commercial Industrial Remote/Rural

What type of power supply do you already have?

PHCN Supply Single Phase? Three Phase?

On the average, how long is the PHCN power available daily? (hours)

Generator

If you have a generator, describe the ratings.

Output Rating (kVA)

Single Phase? Three Phase?

What length of time must the inverter run on batteries (i.e. your intended backup time in hours)?

Is the installation going to be indoor or outdoor? Indoor Installation Outdoor Installation

Is any of your equipment to be powered on 3-phase (3-phase load)

Power Demands

Please indicate your appliances to enable us estimate your power demand. If you can not find some appliances that you own in the list, indicate them on the additional information sheet provided.

Appliances	Power Rating (in Watts)	Quantity	Operating hours per day
Lighting			
Energy Saving Lamp	10 to 20		
2 Feet Fluorescent	20		
4 Feet Fluorescent	40		
Incandescent Light Bulb (see note 2)	60		
Office Equipment			
Tablet PC	15		
Laptop PC	20 to 75		
Desktop PC	80 to 200		
Small Laser Printer	200		
Big Laser Printer	300		
Small Deskjet Printer	250		
Big Deskjet Printer	350		
Scanner	230		
Copier*	2000		
Laminating Machine*	1500		
Projector	500		
Entertainment			
DVD Player	20		
Radio	50		
Home Theatre	300		
Satellite Decoder	20		
32" LCD TV	200		
37" LCD TV	225		
42" LCD TV	250		
14" CRT TV	65		
21" CRT TV	80		
29 "CRT TV	135		
Cooling Appliances			
Standing Fan	50		
Industrial Standing Fan "OX"	200		
Ceiling Fan	75		
Evaporative Air Cooler	150		
1HP Air Conditioner (12,000 BTU)*	1300		
1.5HP Air Conditioner (12,000 BTU)*	1625		
2HP Air Conditioner (18,000 BTU)*	1950		

Appliances	Power Rating (in Watts)	Quantity	Operating hours per day
Kitchen Appliances			
Small Fridge	145		
Large Fridge	450		
Small Chest Freezer	440		
Large Chest Freezer	600		
Water Dispenser (Cold/Hot) see note 3	100/500		
Microwave Oven*	1000/1300		
Electric Cooker*	6000		
Hot Plate*	6000		
Boiling Ring/Electric Kettle*	1000/2000		
Others			
Pressing Iron*	1000/1500		
Water Pumping Machine*	1000/1500		
Washing Machine*	340/2000		

INVERTER TIPS

1. Do not use asterisked items (*) normally, or for long periods with your Inverter as they consume high power and will lead to faster discharge of your battery. Only use them if critical; It is okay to use them for say 5 to 10 minutes.
2. Note 2: Please change this type of bulb to energy saving lamp (item 2) to have longer battery supply time.
3. Note 3: When using inverter, please switch off "Hot" mode for your water dispenser to save battery supply time. It is okay to use the "cold" mode as this consumes low power.

Additional Information