

QUESTIONS + ANSWERS

- Q1: How to keep the house from direct scorching sunlight and high heat temperature?
A: Green vegetation, trees canopies, shrubs, cone shape plants and ground cover plants
- Q2: How to keep the house insulate with natural sources of shades?
A: Green vegetation, trees canopies, shrubs, cone shape plants and ground cover plants
- Q3: How to keep the moisture to the surrounding greenery, in helping the eco-system to regenerate?
A: grey water of non-treated grey water system
- Q4: Where to find a source of water to water non-edible residential bushes and plants without using precious main water or rainwater?
A: grey water of non-treated grey water system
- Q5: Where to find a source of water for backyard edible vegetable and fruit trees without using precious main water?
A: Collective rainwater from water tank
- Q6: Where to find a source of water to better use for emergency of fires break-out or flooding?
A: Collective rainwater from water tank
- Q7: How to reduce GHG emission on energy consumption of inefficient household lighting, without a concern of toxic mercury content in CFL and fluorescent lighting – This toxic element is a high risk to contaminate to waterways, and land fill?
A: LED lighting source with low energy consumption (10% to 80% energy usage to conventional lighting source), has no UV, IR, no toxic mercury content and last up to 50,000 hours
- Q8: How to keep a balance to household budget, business expenditure and maintenance program in lighting source application and usage?
A: LED lighting source lasts up to 50,000 hours, thus require minimum maintaining service, and capital to invest on new lamp
- Q9: How to generate a clean energy source as well as reduction of GHG emission (carbon dioxide)?
A: Any renewable and clean energy source such as wind power, solar PV, or green energy of energy retailers
- Q10: How to keep non-chargeable and chargeable alkaline AA + AAA batteries for a longer life usage of remote control, electrical gadgets and kids toys?
A: Charger of alkaline AA + AAA batteries
- Q11: How to reduce electronic waste of a flat alkaline battery with environmental benefit and saving your money
A: Charger of alkaline AA + AAA batteries can charge non-rechargeable and chargeable batteries of up to 20 time, thus reducing flat batteries waste to landfill, and save household budget
- Q12: Does the second floor of your double storey unit or home get too hot when the thermometer soared to above 30°C+ in summer months? How to keep the building cool from heating it up with high temperature, and heatwave?
A: Trees canopies and plant shades, with application of reflective roof coating to be applied to exterior roof, to external walls facing summer heat and sunlight. In addition, for maximum result in insulation the coloured choice to be in lighter shade to white for best effectiveness
- Q13: How to reduce the effect of Urban Heat Island [UHI] due to low albedo value of mostly building materials?
A: In US, and other countries in the world, reflective roof coating in white colour, is the solution to the problem. It is called cool roofs for energy efficiency. It is a reflective roof coating which can reduce the effect of UHI, due to its reflective property
- Q14. Is it normal that batteries become heated while charging?
A: Because inner chemical changes happen when charging batteries, it is normal that heat radiates. In order to protect user's safety, "Alkaline Battery Charger" has automatic disconnection warning system of overheating: the charging circuit is cut off automatically and the LED indicator shows Green and Red light flashes for 5 times in turns. It will return to charging mode with Red light only when the charger returns in normal temperature.

Q15. Can batteries of different brands be charged at a time?

A: Not recommended. Batteries of different brands have various contents and different quality of materials. It will influence the efficiency of "Alkaline Battery Charger" and cause battery leakage if we charge batteries of different brands at the same time. Also, we recommend that not to charge a mix of new and old batteries at the same time.

Q16. If batteries are not used frequently, can we put them inside electric equipments for a long time?

A: Not recommended. If batteries are put in electric equipments for a long time, though electric equipments are not being operating, batteries will still discharge continuously. Therefore, if we don't use electric equipments for a long time (over one week), we should take out the batteries in them and put them in cool condition to prevent battery leakage.

Q17. How to preserve batteries?

A: We should take out batteries from electric equipments or chargers when we don't use them. Because putting batteries in electric equipments or chargers may cause battery leakage and damage, we should keep them in storage boxes.

Q18. Does both alkaline batteries and rechargeable batteries have memory effect?

A: An alkaline battery has no memory effect and it is recommended for used alkaline batteries with a longer charging time than use time for a better effect. But a nickel-cadmium battery has memory effect and should be charged after being completely discharged. It is recommended to charge used Ni-MH / Ni-Cd batteries twice consecutively (or around 8 hours) before use for a better effect.

Q19. Will alkaline batteries explode if being charged for a long time?

A: An alkaline battery will not explode if being charged for a long time, for there are constant pressure and temperature systems in "Alkaline Battery Charger," and there is security valve in each alkaline batteries. The most serious situation may be battery leakage. When battery leakage happens, do not take the battery by hand. If touch the liquid by accident, wash your hands with soap as soon as possible.

Q20. Can we use charged batteries with new batteries together?

A: Not recommended. because the difference of brands and the date of production may cause different qualities of batteries.

Q21. What kind of battery is the best?

A: It is recommended to use the charger to charge quality alkaline batteries of same serial number or same production date, which are newly produced and discharged. Pay attention to the expiry date. Don't use it when its shape is changed or it has breakage of leakage

ES Consulting services

ABN: 11 405 462 023

Website: www.escservices.com.au

Email: info@escservices.com.au

M: 0411 051 041