

KUBE Technology™ Limited

Solar Solutions USA

POWER BOX

General summary of the Solar POWER BOX designed to provide;

- 24 Volt 20 to 50 Amp/Hours of power
- Permanent/semi-permanent lighting
- Solar LightStick charging
- Charging of phones, lights, radios, ipads/laptops etc

Direct from Solar Power





POWER BOX - Designed to provide a basic power supply for permanent lighting to remote and off grid buildings such as Schools, Hospitals/AID Posts, Government offices, Hotels and Homes etc.

- **2 Hour installation providing over 20 lights throughout a building.**
- **Extends over 70 metres (240 feet) from POWER BOX (36.5 metres each way) providing lighting for large buildings with many rooms.**
- **Additionally supplies power for LighSticks (portable lights and charging systems) and power for all USB connection appliances**



Test unit in KUBE Technology workshop, Casper, Wyoming, USA

Installation:

- **One 265 Watt solar panel installed on roof**
- **POWER BOX unit installed in building**
- **Lighting system installed throughout building to provide permanent/semi-permanent lighting with on/off switches in all rooms/locations required**
- **POWER BOX provides additional charging at unit for phones, lights, radios, ipads/laptops etc**
- **2 hour installation- no further ongoing maintenance required**

There are many solar lighting options on the market WHY KUBE Power BOX?

- Recharge is guaranteed in all weather conditions. Tested to full charge in 12 hour rain days producing 2 inches of rain. Recharges 350% faster than any other system on the market
- Lights don't Dim during life of battery. Lithium Technology offers even power discharge
- Built to the highest standards utilizing the best components on the market in the United States of America.
- Battery life 3 to 4 times longer than lead acid systems, minimum of 10 years life span
- Recharges appliances faster than other systems-radios, laptops, etc
- Various lighting systems include large lighting for open spaces and flood/security lighting options.
- POWER BOX can extend lights further than all other comparable systems. (70 metres or 240 feet)

Pricing:

Base Model- 2 X 24 V-10 Amp Hour system	(USD 3,900) (PNG Kina 13,000)
Phase 2 – 3 X 24 V-10 Amp Hour system	(USD 4,550) (PNG Kina 15,000)
Phase 3 – 4 X 24 V-10 Amp Hour system	(USD 4,950) (PNG Kina 16,400)
Phase 4 – 5 X 24 V-10 Amp Hour system	(USD 5,400) (PNG Kina 18,000)

Pricing based on single unit order- multiple orders discount provided- price before freight and installation

Light Options and Run Times- as per BASE MODEL 20 Amp hour system



LED Flood Light

1 for 9 hours

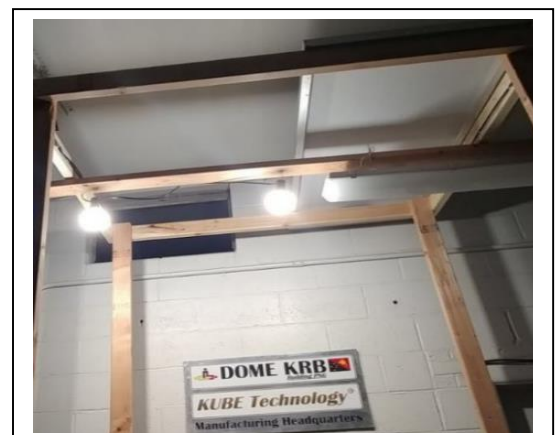
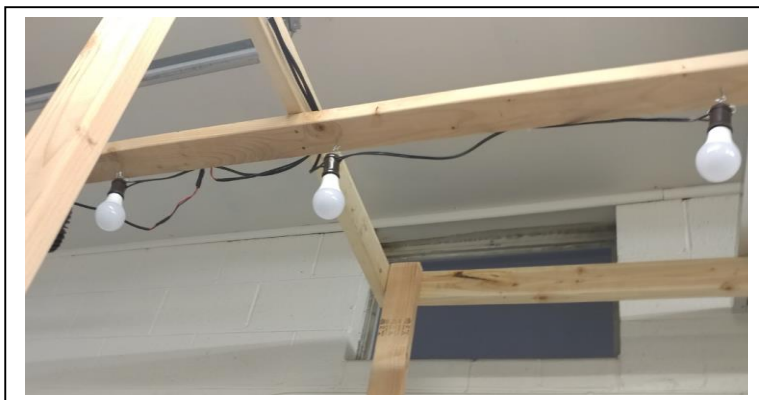
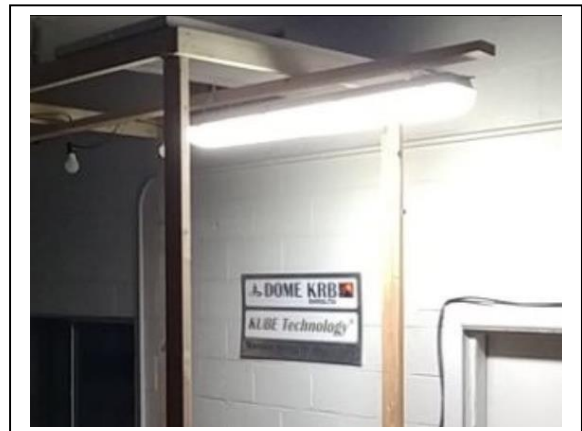
10 on motion
detectors



LED Bar Light

1 for 8 hours

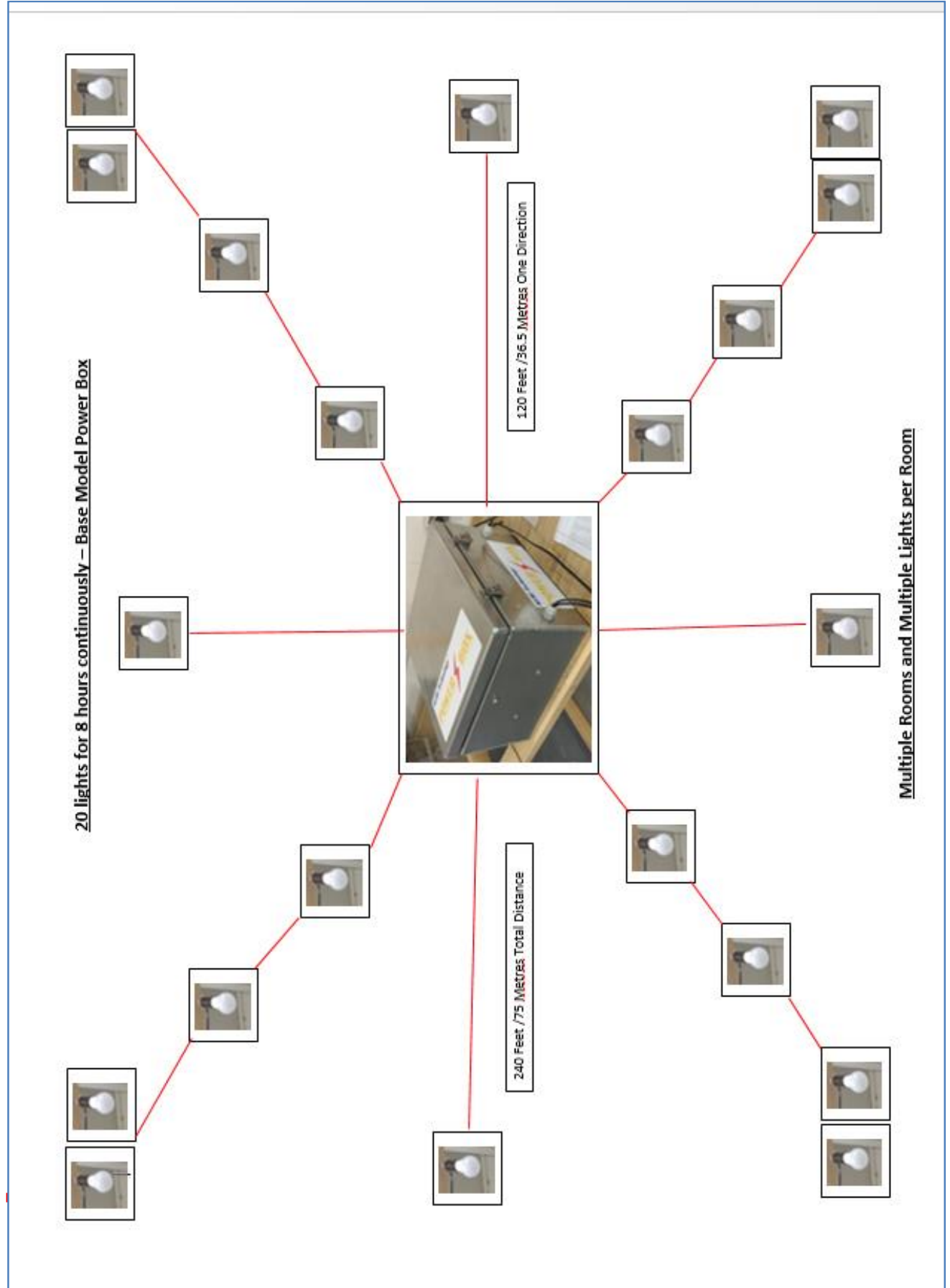
6 for 1.5 hrs



LED Bulbs- basic design of Power BOX.

20 bulbs for 8 Hours!!!

That's up to 20 rooms with lights on all night!!!



Lighting and appliance charging can be provided efficiently, affordably, and reliably by the POWER BOX to many full scale buildings in off grid locations providing the fundamental service of light for economic growth



Government Offices



Schools



Workshops



Hospitals/Aid Posts



Hotels/Lodges

The LIGHTSTICK

Providing Light and Power Source for Charging



Waterproof LightStick™

The SunJack LightStick™ is a rugged, high efficiency portable lighting solution complete with internal powerbank.

- 3 brightness levels + emergency flashing
- IP68 Waterproof to 6 feet depth
- Up to 46 hours of lighting on one charge
- 350 lumens on brightest setting

Ideal for outdoor recreation and emergency kits.



0.47lbs 10.25"x1.25"x1.25"



Full charge in 4-5 hours provides up to 46 hours of light



5200mAh internal battery charges up to 3 smartphones



IP68 Waterproof to 6 feet depth



Power up from the SunJack or any USB power source



5V/2A output fast charges phones, tablets, cameras and any USB device



WATER PROOF



DIRT PROOF



SNOW PROOF



SHOCK PROOF

Performance and reliability:

KUBE Technology seeks the best equipment available to ensure the highest performance, reliability and longevity of our Power KUBE.

Our partnership with Lithionics, USA ensures the highest performance possible is achieved with the use of their Lithium battery systems. Steve Tartaglia of Lithionics has created, via the internationally patented BMS (battery Management System), the world's best lithium batteries.

Additionally all the system components such as solar charge controllers, and other electrical components are tested and developed to work in harmony enabling the best level of performance from each component of the entire Power KUBE systems.

Why Lithium?

Lithionics™ battery features include:

- 3 to 4 times longer life span (estimated 10 + years) – *maintenance free performance for a decade!*
- 5 times faster recharging capabilities than lead acid- *vital for solar recharging in cloudy environments*
- Lithionics™ have the only patent on individual cell variation charging and over charging control features
- Only environmentally rated battery in the world for disposal- *environmentally friendly*
- Only battery rated and approved for air freight- *logistically friendly*
- Even power discharge for 90% of battery capacity- *full use of battery without dimming lights*
- 4 times lighter than lead acid batteries- *logistically friendly*



Steve Tartaglia of Lithionics and Greg Cooper of KUBE Technology with the latest BMS/battery/technology systems utilized in the Power KUBE



BMS features: LVC Individual Cell Low voltage Cutoff at 95% or greater to prevent the battery from being over discharged. DVC Dead Voltage Cutoff to lock out the battery if 100% Depth of Discharge (DoD) occurs. HVC Individual Cell High Voltage Cutoff to prevent overcharging. High Temperature and Low Temperature protection Short Circuit Protection.

Thank you for your interest in KUBE Technology's *POWER BOX* as a high performance reliable solution to providing lighting and charging options to the remotest locations and developing nations on this planet.

Additional KUBE Technology Solar Systems:



KUBE Technology is the first in the world to develop solar powered **Reverse Osmosis units**.

Utilizing Solar Power only safe clean water can be produced in remote areas reliably.

1,000 to 13,000 litres per day from fresh water

1,000 litres per day from salt water



The **KOOL KUBE** is a solar powered refrigeration system that will hold one metric ton of food goods. Providing safe food for consumption or trade.



The **Klinnic KUBE** provides via solar power the only WHO rated Vaccine refrigeration system, medical supply storage, freeze dried food, manual water purification, fixed and portable solar lighting and appliance charging. It is a full service hospital system powered by the sun.



The **Charge Station** provides a reliable solar power source for the charging of KUBE solar lights, phones, radios and all other appliances with USB connectors.



The POWER KUBE converts solar energy into 120 volt or 240 Volt and /or 3 phase power providing full service power supply to off-grid/remote locations.

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