



PRODUCT BROCHURE SOLAR BOX

Your Sustainable Building Solutions Partner

AVAILABLE IN

ALPHA α

BETA β

All-in-One BOX

- ✓ SOLAR PANEL
- ✓ INVERTER
- ✓ CHARGE CONTROLLER
- ✓ BALANCE OF SYSTEM
- ✓ WALL PANEL
- ✓ METAL ROOF
- ✓ DOOR AND LOUVRES



ORDER ONLINE AT
www.kstore.my



INTRODUCTION

Solar Box is an ALL-IN-ONE Solar Off Grid System. KStr Solar Box provides all the required solar components and accessories including solar panels, charge controller, battery, off-grid inverter for your home.

CLEAN ENERGY

Solar Box generates power through light from the sun, which is the most eco-friendly and cleanest sources of energy. It creates electricity without pollution and noise.

POWERED EVERYWHERE

Solar Box can be installed at anywhere, even if you are in middle of the island where power supplies are not available. You never have to worry about no electricity in these locations anymore.

SYSTEM ADVANTAGES

 ALL-IN-ONE UPS SYSTEM	 EASY INSTALLATION	 POWER-UP ANYWHERE	 GARDEN STORAGE
 PLUG & PLAY TECHNOLOGY	 2-3 DAYS OF AUTOMY WITH CONSECUTIVE RAINY DAYS	 PURE SINE WAVE POWER SUPPLY	



for more information

www.k-structures.com

TYPICAL APPLICATION



FARM



OXYGEN PUMP



BIRDNEST HOUSE



BILLBOARD



VILLAGE



ARMY CAMP



ISLAND CHALET



TELCO TOWER



WELL PUMP



SYSTEM SPECIFICATION

PACKAGE

ALPHA α

BETA β

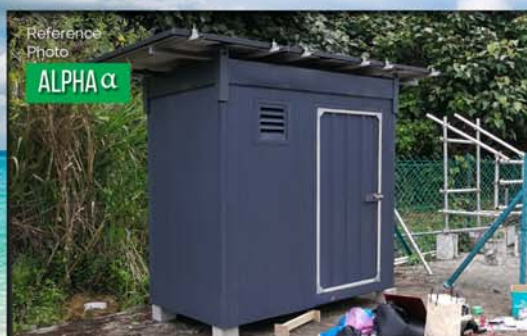
Daily energy output Power	1 KVAhr/ daily Vac 240V +/- 10% Pure Sine Wave	2 KVAhr/ daily Vac 240V +/- 10% Pure Sine Wave
AC Frequency	50-60 Hz	50-60Hz
P Con't	1000 watt	2000 watt
P Surge	2000 watt	4000 watt
Daily Discharge Cycle approx.	20%	20 %
Days of Autonomy	2-3 days	2-3 days
DOD Max	80%	80%
Battery Storage Capacity	4,800 Whr	9,600 Whr
Efficiency of Inverter	max. 90%	max. 90%
Estimation Weight	550 kg	700 kg

SYSTEM COMPONENTS

ALPHA α

BETA β

	Type	Qty	Qty
PV Array	Polycrystalline	3 pcs	4 pcs
Battery Storage	AGM/GEL	2 pcs	4 pcs
Charge Controller	MPPT	1 pcs	1 pcs
PV Mousing	PPGI	1 pcs	1 set
Box Structures	PPGI	1 set	1 set
Safety Protection			
Surge Protector	-	1 set	1 set
DC Breaker	-	1 set	1 set
AC Breaker	-	1 set	1 set
Fuses for PV	-	1 set	1 set
Outlet Power Socket	Weather resistant	1 set	1 set
Combiner Box	IP65 enclosure	1 set	1 set
Earthing	Copper Rod	1 set	1 set
Cables & Connectors	DC/AC/Conduit	1 set	1 set



SOLAR BOX BETA β APPLICATION EXAMPLE

	Power	Qty	Working Hour	Approx Daily Energy Required	Power Factor	Daily Energy Required
LED T5 Lighting	13 W	4.0	4.0 hr	0.208 kWh	1.00	0.208 KVAhr
Table Fan	40 W	1.0	2.0 hr	0.080 kWh	1.00	0.080 KVAhr
Television	85 W	1.0	3.0 hr	0.255 kWh	0.70	0.364 KVAhr
Rice Cooker	500 W	1.0	0.5 hr	0.250 kWh	1.00	0.250 KVAhr
Fridge (inverter type)	100 W	1.0	24.0 hr	0.800 kWh	0.80	1.000 KVAhr

1.902 KVAhr/ daily

CONTACT US

Lot 3801, Batu 6 1/4, Jalan Klinik,
Seksyen 32, Bukit Kemuning,
40460 Shah Alam, Selangor.

T : 03-5162 1688 | F : 03-5162 4286
M : maxtham@k-structures.com



www.k-structures.com

DEALER: