Medium Solar Kit- 33AH battery / 100W Solar Panels

Main unit battery

All in one softbag w/wheels

INPUT (to charge main unit)

< Solar cable extension >

1x100W solar panel

OUTPUT accessories (to charge devices)

2x USB
2x Cigar plugs

2x All-type phone charger cables

USB 8 ports Hub charger (on 220V)

Charge from vehicle

Charge from 110/220V

Code
KENGSOLA400WH

Description
KIT, SOLAR PANEL 100W, 12V/USB/230V with 33Ah battery

General information
Small and portable solar kit to power/charge devices on USB, 12V car socket or 220 V AC
Typical devices to charge during field operations, such as satphones, USB devices, laptops, lights…
Using USB or car charger ports will discharge much less than using AC socket (300W max load!).
Avoid drawing power from the kit while not being charged with solar panels (i.e. at night)

Always try to keep the battery under charging mode and keep an eye at the
charging level indicator ! Not recommended for constant high power needs.

Can be charged either from solar panels, 110/220VAC source or car socket 12V - 24V

Designed for small to medium size mobile team (emergency, assessment etc..)

The AGM (Absorbent Glass Mat) Battery type is approved for air transport, without special packing. All in one soft bag (with wheels) of **26 kgs in total**

Content

- ✓ Central unit (integrates battery, solar regulator, inverter and ports/sockets)
- ✓ 1x solar panels foldable 100W + separated cable (SP > Input port of main unit)
- ✓ 1x solar cable extension 1.80m
- ✓ 2x cables multi format connectors (USB)
- ✓ 1x module USB / car charger connectors
- ✓ 1x USB Hub 8 ports
- ✓ 1x soft bag with wheels (with protective foams) and padlock

Specifications

General:
Total net weight, packed with bag and ready for deployment: **26 kgs**
Total packed weight with all original packaging: 29 kgs
All items are delivered separately in their original box (packed weight)
Indicative price: **1,500.00 CHF**

Battery (main unit):
Type: AGM Lead-Acid
Energy / capacity: **400Wh / 33Ah (12V)**
Shelf-life: Keep plugged in, or charge every 3-6 months
Size main unit: 26 x 20,3 x 20,3 cm
Weight main unit: 13.2 Kgs

Solar panel:
100W / 18-22V (Open Circuit Voltage)
Monocrystalline and chainable
Size: 52 x 39.37 x 5.08 cm (folded) / 52 x 151.1 x 2.54 cm (unfolded)
Weight: 4.6 Kgs

Ports on main unit:
2x USB ports (output): 5V, up to 2.1A (10W max), regulated
2x 6mm ports (output, green): 12V, up to 10A (120W max), regulated
12V car port (output): 12V, up to 10A (120W max)
2x AC universal socket (output, 50Hz): 220V, 1.4A (300W continuous, 600W surge max)
Charging port (input, 8mm, blue, circle):14-29V, up to 5A (60W max) or 220VAC with AC wall charger

Additional Ports (accessories):
Module with output: 2x Car sockets 12V and 2x USB ports 5V - input: 12V car socket of main unit
2x set of cables with output: 10 type of connectors for mobile phones - input: USB port 5V
USB charging Hub with output: 8 USB ports 5V/2A - input: 220V AC (main unit or domestic power)

Estimated charging times:
AC Wall Charger (72W): 5 hours
Car Charger (30W): 13 hours
Solar Panel (100W): 8 - 15 Hours