Kalisaya™ has created the best energy-on-the-go package to date.

Introducing the KaliPAK™

KaliPAK is all the power you need when there is no power around.

Company Presentation, December 2014
Our Mission

Kalisaya is set to lead the portable energy market with efficient, user-friendly and green solutions that will provide device-charging, connectivity, lighting and other applications, and ease the stress usually related to being off the grid.
KaliPAK™ is the first in a series of off-grid, portable energy products, invented, designed and produced by Kalisaya

All of Kalisaya’s existing and future products share the same philosophy:

• Highly functional combined with top tier aesthetics
• Addressing multiple use-cases
• Involving cutting-edge multi-disciplinary technologies
• Environmentally friendly, promoting the use of natural energy sources, and recycled materials
• Beauty and wit through simplicity
• Novel patents based on existing and upcoming technologies
What is KaliPAK

KaliPAK™ is a solar-charged power pack that can charge more than 100 Smartphones, or 10 laptops, or provide 40 hours of strong flood light, before it needs recharging.

It is an on-the-go power source that will reduce all your stress associated with available energy.

It is autonomous – when needed is internal massive battery can be charged from the sun.

KaliPAK is all the power you need when there is no power around.
The KaliPAK’s design brief included:

• “...A portable energy pack that is light-weight, affordable, yet durable and sustainable”

• “...The use of natural energy resources – the pack has to be autonomous – can’t rely on grid power...”

• “...Unique design, focusing on highly functional user experience combined with the finest design aesthetics.”

• “...Addressing multiple use cases where accessible, portable and grid-independent energy is needed.”
The Dashboard

2 x 12V OUTPUTS (LED, LAPTOPS, CAR-LIGHTER)

2 x 4 x 5V USB OUTPUTS: IPAD, TABLETS, SMARTPHONES

BATTERY GAUGE

BLUETOOTH INDICATOR

ONE SWITCH FOR ALL FUNCTIONS

CHARGING INDICATOR

BEACON + WIFI INDICATOR

INPUT: CAR, SOLAR PANEL, 100-240V CNVRT, WIND TURBINE
Components

- Accessories & Storage Pockets
- Folded Solar Panel Fixture
- Ease of Use
  - Light-weight, Durable
  - Water-Resistant to IP65*
  - Dust Proof
  - Ergonomic Shoulder Strap
- Under the Hood: 400 or 600 W/h Lithium-Ion Battery

Electronics, Smart Energy Management
The 4X Solar Panel and the patent pending Directional Fixture

- 4 Monochrystalline PV panels, 19% eff, 40-60 Watts
- Folding, lightweight Aluminum fixture
- Angle Dial, for best angular sun position
Components:

- A lithium-ion battery pack with circuit and fire protection
- The case: EVA or PC
- The Dashboard and the SmartController:
  - Master switch; battery level indicator; one 12V input socket;
  - 2x12V output sockets; 2 or 4 x 5V USB output;
- Bluetooth transmitter
- MPPT solar charger (Multi Point Precision Tracking).
- The folding solar panel and a folding University stand
- Accessories (default): 10W LED floodlight; 5W LED bulb with 5M cord, car lighter charger, 100-240V input converter;
- Waterproof PowerBank-Torch

Specifications:

- 26 Ah lithium battery in the 401 models
- 39 Ah lithium battery in the 601 model
- 39X39X18 (cm)
- 4 monocrystalline panels, with Canvas framing, folded to 31X31X4 + patent pending University stand
- Estimated weight (without accessories): 6.3 Kg (for 401 model)
- *IP65: with included Raincoat.
- CE, ROHS, FCC

**Perfromance:**
- 26 or 39 Ah
- ~400 or 600 Wh
- Operating at ~14.8 V

**Durable**
- Waterproof, dustproof to IP65*
- 4.9 -6.3 kg

**USB:**
- Ultra-fast Charging (3 A/h each)

**Built-in Bluetooth connecting to Mobile App (Android, iOS)**

**Patent pending Design:**
- Functionality & Aesthetics
From Prototype to Production: Optimization and Fine-Tuning

- Same performance and features, smaller case: From 40cm to 33 cm
- 4 Fast-Charge USB ports instead of 2
- Wifi and Beacon now offered as an external option
- Multiple Color Options
- PC case is 15-20% more durable and 10-15% lighter!
**Product Line: the KaliPAK Family**

**KaliPAK 601**
- Heavy Duty
- 590 Wh • 39 Ah
- 7.3 Kg (16 Lbs)
- 4X Solar Panel and Fixture
- Ports: 2 (or 4) X USB 5V, 2 x 12v
- Integrated Bluetooth
- Weatherproof Raincoat
- Accessories Compartment
- KaliPAK Survivor’s Kit
- Diagonal Wide Shoulder Strap

**KaliPAK 401**
- Mid Range
- 390 Wh • 26 Ah
- 6.3 Kg (13.8 Lbs)
- 4X Solar Panel and Fixture
- Ports: 2 X USB 5V, 2 x 12v
- Integrated Bluetooth
- Weatherproof Raincoat
- Accessories Compartment
- KaliPAK Survivor’s Kit
- Diagonal Wide Shoulder Strap

**KaliPAK 201**
- Entry Level
- 192 Wh • 13 Ah
- 3.9 Kg (8.5 Lbs)
- 2X Solar Panel
- Ports: 2 X USB 5V, 2 x 12v
- Integrated Bluetooth
- Accessories Compartment
- KaliPAK Basic Kit
- Diagonal Wide Shoulder Strap
1. Built in Bluetooth transmitter, sends data to nearby paired smartphone
2. Data presented in APP including:
   - Battery Level and remaining time at current usage
   - Connected devices and consumption levels
   - Charging level and effectiveness
   - Wifi router and Beacon controllers
   - Personalized notifications
   - Support and Manuals
   - Connected to KaliPAK community blog
   - Promotion and online ordering of accessories and battery replacements
3. Open architecture (SDK) to provide localization (language), and easy implementation of new features
4. For Partners/Distributors: Captive audience with immediate access

(The KaliAPP (iOS & Android))
<table>
<thead>
<tr>
<th>Accessory</th>
<th>Use</th>
<th>Included in Survivor’s PowerKit?</th>
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<tbody>
<tr>
<td>KaliLED 10/20W Light</td>
<td>Strong Flood Light</td>
<td>no</td>
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<tr>
<td>LED Bulb kit 3W/5W</td>
<td>Room/ tent long lasting light</td>
<td>yes</td>
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<td>Car Charger Adapter</td>
<td>Connect devices with car lighter sockets</td>
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<td>Multi-Inverter AC/DC</td>
<td>From 100-240 to 12v-24v. From KaliPAK to all laptops</td>
<td>yes</td>
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<td>Waterproof Powerbank-Torch</td>
<td>Waterproof smartphone charging (x3 charges) emergency light</td>
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<tr>
<td>USB Splitter</td>
<td>From 12V to X2 fast charge USB 5V</td>
<td>yes</td>
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<tr>
<td>Car JumpStart kit</td>
<td>KaliPAK-compatible Powerbank for vehicle jumpstart</td>
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<tr>
<td>GSM-wifi Router Dongle</td>
<td>Turning the KaliPAK into a cellular wifi hotspot</td>
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The IP65 RainCoat – Production Unit Now Offered with Back-pack Shoulder Straps
## Performance and Device Charging Data

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<th>Device</th>
<th>V</th>
<th>Ah</th>
<th>Wh</th>
<th>No. of charges KaliPAK 401/401C</th>
<th>No. of charges KaliPAK 601</th>
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**efficiency factor** 0.9
Target Markets

Home Disaster Recovery
Hurricanes, Earthquakes, Flooding, and any other electric blackouts

Outdoor
Adventure Travel; Leisure; Camping; Hiking; Biking; Sailing; Expeditions; and more

Emergency & Rescue Units
Rescue, EMR, Homeland Security, Firefighters, Paramedics, Doctors/Vets

Special Tactical Forces
Military, Recco, Field Engineering
Revenue Generators:

- The sale of the KaliPAK product line: 201, 401, 601 (Direct Gross Margin: 50%-80%)
- The upsell of ever-expanding list of branded merchandise and accessories (DGM: 250%-400%)
- The sale of customized units to governemental agencies (GM: TBA)
- Parts and battery replacements (DGM: 70%-90%)

Maintaining highly competitive pricing for KaliPAKs

Leveraging on the KaliPAK quality and brand value to create significant margins when selling merchandise and accessories (“Land and Exapnd” model)

The use of smart digital tools to market and reach acquire captive audience (Online store, iOS/Android free app) – as a basis for recurring revenues
• Provisional patent on the KaliPAK system and its all-in-one technology was filed on March 2014. The company will file a for a US and PCT patent in March 2014.

• A design patent was registered for the KaliPAK in the Chinese Patent Office

• The Kalisaya and KaliPAK brands are the basis for the higher margins in merchandise and accessories therefore we have registered as trademarks, under the PTO:
In The News

Israel21C

Light one portable solar generator, to chase the dark away

NO Camels

Portable Solar Energy Backpack
KaliPAK is The Ultimate Gadget For The Great Outdoors

Times of Israel

Globes
May the power be with you so you can save some souls.
- Country or regional based agreements
- Minimal assembly line, as batteries supplied locally (per our specifications)
- Kalisaya provides training, branding and marketing support (strong brand continuity >)
- Back-to-back guarantee

**Revenue generators:**

- The KaliPAK product line – and future upgrades and expansion
- Additional Accessories sold separately – recurring revenues, ever expanding list
- Smartphone app as a promotional tool for upsells, captive audience
- High Margins; “Land & Expand” model

- MOQ: TBD
- Customizations and adaptations available per request, pending quantities
- Distributors contact: contact@kalisaya.com
Kalisaya (or Kallisaya) as defined in Aymara, the old Inca language, is a what puts Lightning, mood and energy together.

When it comes to understanding energy, the Inca who worshipped the sun, seemed to be a highly advanced culture.

It seems that the term Kalisaya refers to the shared energy or light - of the sun, the lightning and the inner glow of a person.

• Kalisaya was established by a team of seasoned designers, engineers and entrepreneurs.
• Kalisaya’s initial product, the KaliPAK was developed over a period of 2 years, through market research, prototyping and field tests.
• The company has filed for several US and PCT patents for the KaliPAK.
• A private company and currently funded by the founders.
Thanks.