KOKAM PORTABLE ENERGY STORAGE SYSTEM (PORTABLE ESS)

- Eco-Friendly Product
  - No Noise
  - No pollution

- High Movability & Wide Usage
  - Light Weight for Convenience
    - Unit Weight: Less than 28 kg
  - Easy to mount on carrier
  - Operating time: About 4 Hours/For 1 kW load
    - Operating time easily extended

- Protection & User Safety
  - IP65 Rating
    - Dust and Water Resistance
  - Installation of Earth leakage circuit breaker
  - Misuse prevention connector is applied
    - Fool Proof and Fail Safe
  - Grounding terminal for better earthing

System Configuration

<table>
<thead>
<tr>
<th>Inverter</th>
<th>Battery</th>
<th>Charger</th>
<th>Carrier</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCS from DC to AC</td>
<td>Lithium-ion 40 Ah Cell</td>
<td>24V30A</td>
<td>Max Load</td>
</tr>
<tr>
<td>(1.5kW)</td>
<td></td>
<td>Charge time 2.5 hours</td>
<td>120kg</td>
</tr>
</tbody>
</table>

Charge Capacity: 4kWh (=2kWh/Pack, 2 Units)
Purpose of use

Alternative power for Lift Irrigation
Suitable for the places where electricity is out of reach

Present: Power supply from Distribution line
- Required distribution lines
- High cost in construction
- Limits on grid connections

Power Supply using Portable ESS
- Not required distribution lines
- Quick power supply available
- Can use electricity anywhere without restrictions

Other Usage of Portable ESS

Agricultural Application
- Support Pumps for Wells
- Spreading Pesticides
- Tree Cutting Tool
- Fish Farm Oxygen Power Motor

Disaster Management
- Flooded Houses Drainage Pumps
- Emergency Medical Power Supply
- Emergency Lighting Power
- Emergency Rescue on Site

Outdoor Activities
- Food Truck
- Road Stall Power Generator
- Power for live event
- Campsite Power
- Power for outdoor sports

Other Application
- Power for night construction
- Portable electric tools
- Emergency Household Power
- Emergency power backup for ballot box

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