



Portable Energy Storage System (Portable ESS)

Developed by KEPCO & KOKAM



✓ 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

Inverter	Battery	Charger	Carrier
PCS from DC to AC (1.5kW)	Lithium-ion 40 Ah Cell	24V30A Charge time 2.5 hours	Max Load 120kg

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

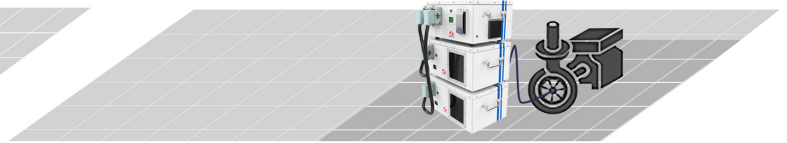
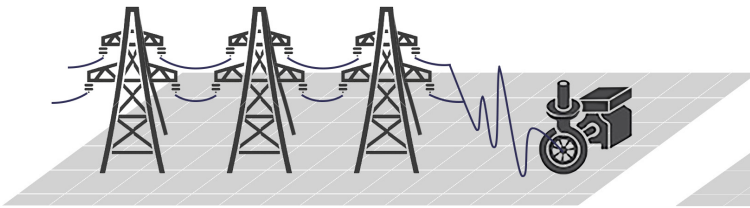
Present : Power supply from Distribution line



Power Supply using Portable ESS

- Required distribution lines
- High cost in construction
- Limits on grid connections

- 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