

ESS

Energy Storage System



FSP PP0915ADN / PP0915EZN

Domestic Back-up Power System

PP0915ADN/PP0915EZN Domestic Back-up Power System adopts high quality Lithium Ion battery cells to provide 870Wh of energies for use in forms of AC and DC power. It employs advanced Battery Management System (BMS) to enhance system performance, prolong life, and warrant safety.

The product has fast charging/discharging rates, great conversion efficiencies (90%), long operating life and is safe, reliable, quiet (fan-less), compact and easy to transport. PP0915ADN/PP0915EZN can be used as a stand-alone portable power source, a battery back-up power system, an on-line AC Voltage Regulator, or as a battery power subsystem in a modern home energy grid.



Energetic | Friendly | Simple | Reliable

POWER
NEVER ENDS

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Domestic Back-up Power System

FEATURES

- Dual input - AC & PV, pure sinusoidal AC output
- High power charger (600W) and Inverter (1.5kVA)
- High conversion efficiency (>90%)
- Very quiet operation (no fan)
- Selectable on-line or stand-by operating mode
- Master system control switch (for prolong storage) and output control switch
- Advanced battery management techniques (patents pending) including active battery block balancing
- LED capacity indicating lights and luggage-style portability
- Stable & reliable name-brand battery cells from fully automatic production lines

APPLICATIONS

- Domestic Battery/Back-up Power System
 - Household PV micro grid and BIPV (Building Integrated Photovoltaic)
 - Back-up power for home, office, factory, medical, casino, and others
- Portable Power Source
 - Off-grid PV-Battery power system for remote or disastrous areas
 - Emergency power for rescue, support, lighting
 - Leisure activities: camping, hiking, picnics
 - Others: military, mining, vending



PV, AC Charge



Control panel



Telescopic handle

SPECIFICATION

| Model | | PP0915ADN | PP0915EZN |
|------------------------|---------------------|---|------------------------------------|
| Rated Energies | | 870Wh | |
| Battery | | Lithium Ion | |
| Inputs | AC | 100-120V, 50-60Hz | 220-240V, 50-60Hz |
| | PV | 50-110Vdc ¹ | 65-130Vdc ¹ |
| Outputs | AC | 100V or 120V, 50Hz or 60Hz, 1.5kVA | 220V or 230V, 50Hz or 60Hz, 1.5kVA |
| | DC | 5V@2.5A (USB) | |
| Transfer Time | | 16 mS typical | |
| Operating Temperatures | | 0-40°C ² | |
| Protections | Battery | Over-charge, Over-discharge, Over-temperature, Under-temperature, Over-current, Short-circuit | |
| | Charger/Inverter/DC | OVP, OCP, SCP, OTP | |
| Operating Mode | | Standby or On-Line ³ , Selectable | |
| Dimensions (LxDxH) | | 425 x 235 x 370 mm | |
| Weight | | < 17 kg | |
| Safety ⁴ | | UL1973 | EN62040 |

1. Will charge battery as long as PV voltage is higher than battery voltage, but may be at slower rate.
 2. Consult factory for operations beyond normal operating temperatures
 3. Continuous power from 400VA to 550VA, transient power up to 1.5kVA depending on battery status.
 4. Designed to comply.

Agency

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