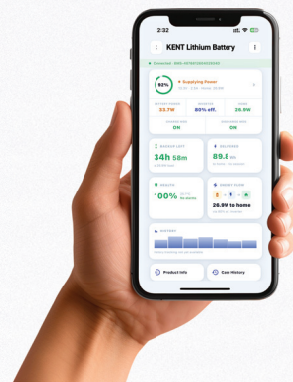


# Next-Gen KENT All-In-One Inverter



Compact Home UPS/Inverter  
with Built-in Lithium Battery

**AIO Series**  
**1100 • 2400**



**Smart Inverter**



## BUILT-IN LITHIUM BATTERY

Inverter and battery come factory-fitted as one unit



## SMART INVERTER

Check battery level, health and faults on your phone



## COMPACT SIZE

Space-saving compact design fits seamlessly anywhere



## PURE SINE WAVE

Clean power for quieter fans and safer electronics



## ZERO MAINTENANCE

No water filling, terminal cleaning or battery trolley



## ADVANCE BMS

Monitors, protects and balances every cell



## 30% COST SAVING

Cut your electricity bills by up to 30% with Lithium Batteries



## LCD DISPLAY

Mains, battery, load and fault status at a glance



## FLOOR MOUNTED

No drilling or wall mounting. Simply place and connect.

# Tubular Lead Acid Battery vs KENT Lithium Battery

| POINT                 | LEAD-ACID                            | KENT LITHIUM                           |
|-----------------------|--------------------------------------|----------------------------------------|
| Usable Energy         | About 50%                            | About 90%                              |
| Design Life           | < 800 (3 Years)                      | >3000 (10 Years)                       |
| Maintenance           | Water Filling, Terminal Cleaning     | Zero Maintenance                       |
| Weight Per kWh        | About 33 kg                          | About 10 Kg                            |
| Installation          | Open Area, As it Releases Acid Fumes | Indoor, No Harmful Fumes               |
| Charging Time         | 8 to 10 Hours                        | 2 To 4 Hours                           |
| Voltage While Running | Keeps Falling                        | Almost Flat                            |
| On Heavy Load         | Gives Less Than its Rating           | Gives its Full Rating                  |
| In Summer             | Life Becomes Shorter in Heat         | Handles Heat Better as Bms Protects it |

## Technical Specifications

| Item Code              | 131003                                                                                             | 131012             |
|------------------------|----------------------------------------------------------------------------------------------------|--------------------|
| Rating                 | 1100 VA                                                                                            | 2400 VA            |
| AC Input               |                                                                                                    |                    |
| Normal Mode            | 90-290 V                                                                                           |                    |
| UPS Mode               | 180-265 V                                                                                          |                    |
| AC Output              |                                                                                                    |                    |
| Wave Form Type         | Pure Sine Wave                                                                                     |                    |
| Output Voltage         | 220 V ± 10%                                                                                        |                    |
| Output Frequency       | 50 Hz ± 0.5 Hz                                                                                     |                    |
| Bulb Load              | 800 W                                                                                              | 1700 W             |
| ThDi Distortion        | ≤ 3% [at Linear Load]                                                                              |                    |
| Peak Efficiency        | >73%                                                                                               | >78%               |
| Battery Specifications |                                                                                                    |                    |
| Battery Type           | LiFePO4 (LFP)                                                                                      |                    |
| Cycle Life             | >3000 cycles (25 ± 2, 70% EOL)                                                                     |                    |
| Battery Voltage        | 12.8 V                                                                                             | 25.6 V             |
| Cell Rating            | 100 Ah                                                                                             | 100 Ah             |
| Nominal Power          | 1280 W                                                                                             | 2560 W             |
| Max Discharge Current  | 70 A                                                                                               |                    |
| Max Discharge Power    | 896 W                                                                                              | 1792 W             |
| BMS                    | Smart BMS with BLE                                                                                 |                    |
| Protections            | Overload Protection, Low Battery Protection, Short Circuit Protection, Over Temperature Protection |                    |
| General Specifications |                                                                                                    |                    |
| Display                | LCD                                                                                                |                    |
| IP Rating              | IP 21                                                                                              |                    |
| Relative Humidity      | <95% (Non-condensing)                                                                              |                    |
| Noise                  | <50 db                                                                                             |                    |
| Operating Temperature  | 0-40 °C                                                                                            |                    |
| Cooling Type           | Forced Air Cooling                                                                                 |                    |
| Warranty               | 5 Years                                                                                            |                    |
| Dimensions (W×H×L)     | 280 × 320 × 340 mm                                                                                 | 400 × 400 × 470 mm |
| Weight                 | 25 kg                                                                                              | 46 kg              |

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