

## EasyReach SMPS-UPS 24V Powered with GaN Technology



### Business Overview

The SMPS-UPS with the GaN Technology inside equipment on the field often experiences Power Cuts, Uneven Power Supply, and Power Fluctuations, which may cause Interrupted Service or Damage to Equipment.

EasyReach Solutions has developed and implemented a Battery based SMPS-UPS

Features of the solution are as follows;

- Plug – N – Play Easyreach IoT- SMPS-UPS
- Surge Control – Upto 300 V
- Uninterrupted Power Supply to devices
- Battery Operated device
- Lithium Ion Replaceable Battery with BMS
- No need for extra SMPS
- GaN Technology inside
- Input Protection Voltage - Under / Over
- Over Current Protection, Short Circuit Protection
- Compact in size
- 100% designed and made in India
- Zero lag switching
- 1 Year Warranty



## Physical Properties

Description	Details
<b>Enclosure type</b>	Heat Resistant ABS
<b>LED Indicators</b>	Mains, Output, Low Battery
<b>Indicator Definition</b>	Charging (On Mains), On Battery
<b>Weight</b>	~900 Grams
<b>Dimensions</b>	200 MM(L) x 120 MM (W) x 55 MM (H)
<b>Fitting</b>	Screw Mounting
<b>Operating Temperature</b>	Charge: 0 ~ 45°C; Discharge: -20 ~ 60°C
<b>Storage Temperature</b>	During 1 month: -5 ~ 35°C During 6 months: 0 ~ 35°C

## Safety

Description	Details
<b>Surge Protection</b>	2 KVA
<b>Safety Protections</b>	Surge Protection, Current Fluctuations, Discharge, Short Circuit
<b>Design Compliance</b>	UL/CE & RoHS Certifications

## I/O

Description	Details
<b>Terminal Block</b>	10 Pin Terminal Block 300V @ 8Amp
<b>Input Voltage</b>	90– 270V AC
<b>Output Voltage</b>	24V
<b>Output Wattage</b>	30W
<b>Model Number</b>	ER IoT – UPS 24V

## Battery Properties

Description	Details
<b>UPS Power Backup</b>	Upto 4 -5 Hours (Depends on load connected )
<b>Battery Type</b>	Lithium - ION
<b>Battery Capacity</b>	3 cell X 2900 mAh * 2
<b>Battery cycles</b>	300 Cycles
<b>Battery Management System</b>	Yes