

Business Overview

The PoE equipment on field often experiences Power Cut, Uneven Power Supply and Power Fluctuations, which may cause Interrupted Service or Damage to Equipment.

EasyReach Solutions has developed and implemented a Battery based PoE adapter, which supports stable power supply and Power Backup of Upto 2 hours.

Features of the solution are as follows;

- Plug – N – Play Easyreach IoT-PoE Adapter
- Surge Control – Upto 300 V
- Uninterrupted Power Supply for ODU/Network/PoE Equipment Upto 2 Hours
- Battery Operated device
- Provisional for setting up Network Module

Physical Properties

Description	Details
Enclosure type	Heat Resistant ABS
LED Indicators	Mains, Output and Low Batt
Indicator Definition	White LED – Mains Green LED – Output Red LED – Low Battery
Weight	Approximately 300 Grams
Dimensions (LxWxH)	180 MM(L) x 60 MM (W) x 35 MM (H)
Operating Temperature	Charge: 0 ~ 45°C Discharge: -20 ~ 60°C
Storage Temperature	During 1 month: -5 ~ 35°C During 6 months: 0 ~ 35°C
Operating Humidity	90 %RH (Non-condensing)
Storage Humidity	95 %RH (Non-condensing)



Safety

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

I/O

Description	Details
POE	In-built PoE
Ethernet Port	1Gbps Ethernet port
Input Voltage	90 – 270V AC
Output Voltage	-30V, ±5%
Output Power	15W Max.
Model Number	ER IoT – UPoE 30V
PoE Compliance	IEEE 802.3af Compliance

Battery Properties

Description	Details
UPS Power Backup	Upto 2 Hours* (It's depends on power consumption of the device)
Battery Type	Lithium - ION
Battery Capacity	3 X 2600 mAh
Battery cycles	300 Cycles before degradation starts
Battery Management System	Yes