



Power Supply with Battery Backup Unit

EnerXBar 042-12A

Features

- ◆ All in One Design
- ◆ Simple and Stylish
- ◆ Plug and Play
- ◆ Changeable DC Tips
- ◆ Zero Transfer Time (0 mS)
- ◆ Peak Power Support (>160%@1mS)
- ◆ Long Backup Time
- ◆ Longevity
- ◆ AC Fail Detection (Optional)

Applications

- ◆ Digital Surveillance
- ◆ Security Gate Control Systems
- ◆ Point of Sale (POS) Systems
- ◆ FTTx Modem
- ◆ WiFi Router
- ◆ Cable Modem
- ◆ Video on Demand (VOD)
- ◆ Media on Demand (MOD)
- ◆ Portable Projector



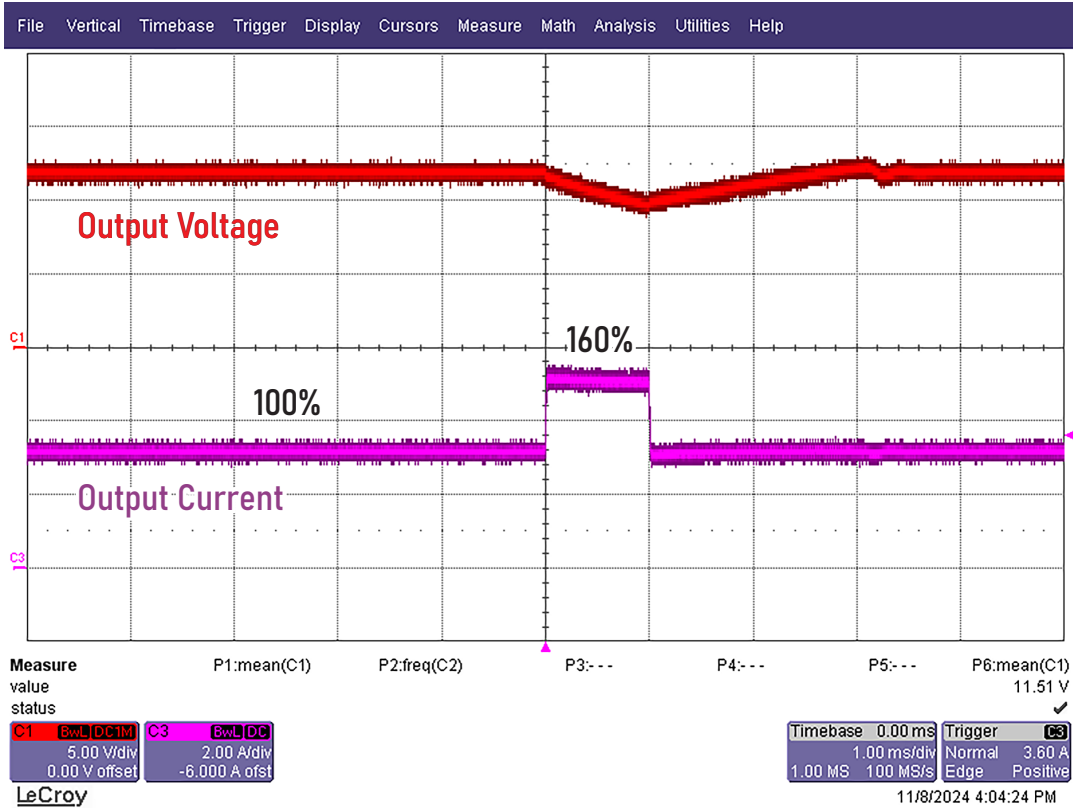
ICT products face the challenge of sustained and stable operation amid grid resilience issues recently. Frequent power outages and blackouts, sometimes affecting multiple areas, are common and can lead to large-scale disruptions. UPS is commonly used by IT managers to address grid resilience issues but UPS selecting is an issue for IT managers especially to IT equipment is commonly used in worldwide.

By integrating a switched mode power supply with a battery backup unit into one product, we can replace UPS systems, optimizing power and energy conversion efficiency. EnerXBar series is the best choice for your IT equipment by solving power supply with UPS at the same time.

Technical Specification

Product Name	EnerXBar 042-12A
Model Name	BBU0420-C200
Input Voltage Range	90Vac ~ 264Vac
Input Frequency Range	47Hz ~ 63Hz
Rated Output Voltage	12Vdc
Rated Output Current	3.5A
Output Voltage Regulation	12Vdc +/- 5%
Ripple & Noise	120mV
AC Mode Efficiency	> 82% @ 100% Load
Battery Mode Efficiency	> 94% @ 100% Load
Protections	OVP / OCP / OPP / OTP / SCP / Brown In / Brown Out
Battery Type	NCM Rechargeable Cell
Charge Mode	Constant Current (CC) & Constant Voltage (CV)
Standard Charge Current	0.55A
Typical Recharge Time	5~6 Hours Recover to 90% Capacity
Backup Time	> 60 Minutes @ Rated Full Load
Cell Type	18650
Cell Capacity	3350mAh
Battery Pack Energy	48Wh
Dimension	245.8 mm × 80mm × 42.5mm (L×W×H)
Safety	IEC 62368-1
EMC	EN 55032 Class B / EN 55035 / IEC 61000-3-X / FCC Part 15
UN/DOT (MSDS Type)	UN 38.3
Operation Temperature	0°C~35°C

Peck Power Support (>160%@1ms)



Zero Transfer Time (0 mS)

