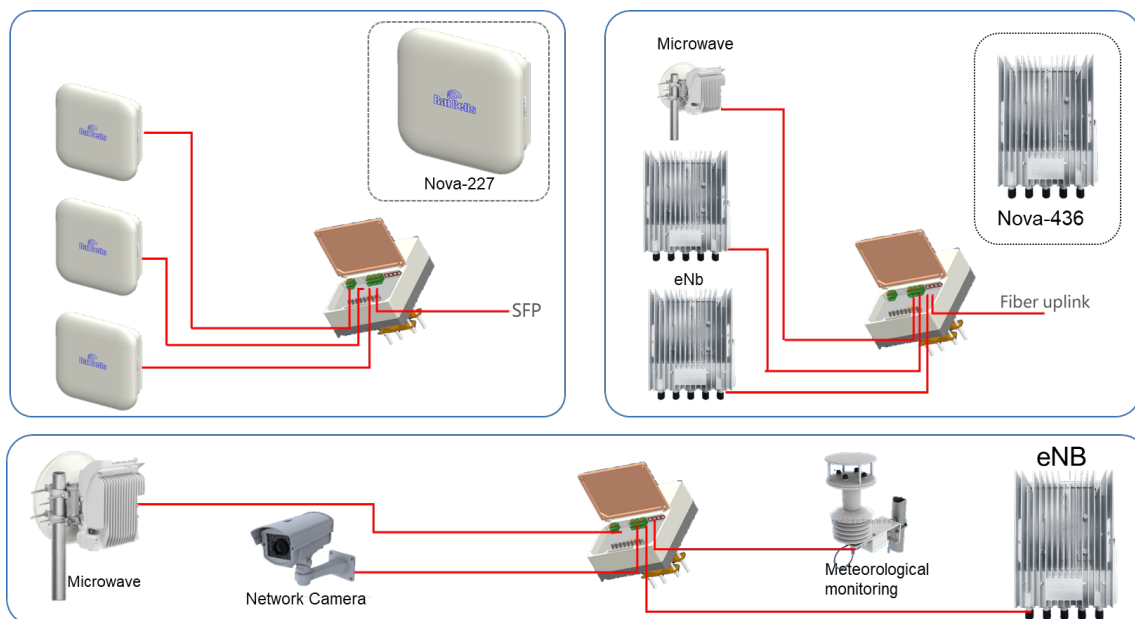# Outdoor SmartUPS

INTRODUCTION

Wireless Internet Service Providers (WISPs) and operators typically rely on electrical infrastructures to power their network equipment. During times of power outages, or in rural and remote locations where the reach of power is limited, operators need a reliable backup power source. The Baicells Smart Uninterruptible Power Supply (SmartUPS) is a comprehensive platform which converts AC to DC 48V, supports GigE speeds, and uses PoE+ power supply. It can power Baicells Long-Term Evolution (LTE) eNodeBs (eNBs) and other equipment such as cameras, meteorological monitoring, microwave, and security systems.

The unit is small and easy to deploy, and has a high protection grade rating of IP66. The SmartUPS is very cost-effective, especially when compared to traditional indoor and outdoor power cabinets.

FEATURES

- Up to 400 Watt power supply
- High IP66 ingress protection rating
- Intelligent battery / OMC management
- 3-year Lithium battery service life
- Supports optical solar input and gigabit optical interface (SFP)
- Supports multiple devices
- User-friendly LEDs and interfaces
- Multiple output power options: 48 VDC, PoE, or inverter supplied AC

SYSTEM SPECIFICATIONS

Dimensions (HxWxD)	10.6 x 4 x 12.6 inches 270 x 105 x 320 millimeters
Weight	5Ah – 15.2 lbs / 6.9 kg 10Ah – 18.7 lbs / 8.5 kg
Cooling Mode	Natural cooling
Installation Mode	Pole or wall
Pole Diameter Support	4-8.3 in / 105-210 mm
Noise Grade	≤ 35 dB (A) @ 1.5 m Meets standard GR487
Ingress Protection Rating	IP66
Input Voltage	110 VAC (90-264 VAC)
Battery Capacity	5Ah or 10Ah Lithium Ion. Optional external battery for 48V 20Ah and 48V 50Ah.
Output Voltage	37-54 VDC
Total Output	200 Watts - 5 AMP 400 Watts - 10 AMP Future: 1kw - External customized battery
Switch	Max 4-port Gigabit Ethernet switch
SFP	1 Gigabit SFP cage
PoE Port	1 PoE+

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Range	-40°F to 159°F / -40°C to 55°C Solar radiation included
Storage Temperature Range	-4°F to 158°F -20°C to 70°C
Operating Humidity Range	5%~95% RH No dewdrops
Altitude	0-4000 m (2000m to 4000m. With every 200 m altitude increase, max operating temperature decreases 1°C.)

GLOBAL PART NUMBERS

SmartUPS:

EPB41211	200W, 5A/H battery, (1) 48VDC outlet, 4-port exchange, PoE+ Outdoor SmartUPS. Extended battery support. With network management.
EPB42131	400W, 10A/H battery, (3) 48VDC outlet, Optical, 4-port exchange, (1) PoE+ Outdoor SmartUPS. Extended battery support. With network management.

Management System:

CSPMS001	Power Management System

Battery Backup:

EB421	20A Power Box Extended Battery