



## *Pulsecom Power Node — Outside Plant Power System*

... delivering  
quality  
time after time



### Features

- -48 Vdc, with 6 Amp output capacity — perfect for mini-RAMs and small pair gain systems.
- Standard 120 Vac, 60 Hz input for universal placement.
- 7 AMP hour or 14 AMP hour battery reserve to bridge nuisance outages while providing a compact and lightweight form factor.
- Simple pole or wall mounting to avoid easement restrictions and assure on-time turn-up.
- Rugged outside plant enclosure.
- Generic, easy-to-use connection to fiber, xDSL, pair gain, radio, satellite or other systems to assure universal application.

Power has often been called the “Achilles heel” of Outside Plant telecommunication systems. Pair gain systems, remote DSLAMs, arrangements to deliver service to cell sites and a number of other applications all require cost-effective, dependable and rugged power. Such a power system is surprisingly elusive. In most cases, systems are too big, overly complex and virtually custom-built for each outdoor cabinet.

Why is there an issue? It would seem that power equipment would have advanced in step with other technologies to suit growing demands for higher bandwidth or simply more POTS. The reality is that system power has often taken a back seat to transmission technologies. Sized for worst-case growth, outside plant power systems consume significant cabinet space. Designed for full redundancy and very long battery reserve, outside plant power can be as expensive as the equipment being powered.

Today, networks are becoming more distributed. xDSL services are pushing further into thin routes. Overlay networks are becoming more common. A compact, durable, refined and inexpensive power system that permits rapid deployment of higher bandwidth or simple cable relief — is required.

What’s the solution? Pulsecom’s Power Node. Based upon know-how gained by manufacturing and deploying over 10,000 outside plant transmission systems, the Power Node is the right tool for today’s network. Simple. Small. Rugged. Cost-effective. Flexible. A power building block for virtually unlimited applications.

## Specification

### INPUT SPECIFICATIONS

Voltage Range: 95-135 VAC, 60 Hz

Efficiency, typical: 80%

### OUTPUT SPECIFICATIONS

Voltage, nominal: -52VDC

Current, maximum: 6 Amps

Battery size: 7 AH (Power Node/6A) or 14 AH (Power Node+L2)

Ripple, maximum: 40 mVrms

Line/Load regulation: 5%, minimum to maximum current

Output overload: Self healing fold back

### GENERAL SPECIFICATIONS

Cabinet Size: 16" high by 16" wide by 7" deep (Power Node/6A)

Mounting: Wall or pole

Outdoor Ambient Operating Temperature: -40°C to + 115°F (Power Node+L2)

Cooling: Natural convection

## Ordering Information

Ordering Code	CLEI	CPR	Size	Shipped with Batteries	Available Battery Capacity	Equipped with Battery Heater	Equipped with Generator Inlet
Power Node/6A	PBBDGDC	202174	16"x16"x7"	Yes	7AH	No	Yes
Power Node+L2	PBBDHCC	204687	20"x20"x8"	No	14AH	Yes	No

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