



Portero 13A Small Cell System

DAS Wireless Base Stations



Portero 13A

Product Description

Eagle Eye’s SC-Series small cell power systems provide flexible configurations for indoor and outdoor DAS and small cell 5G/4G/LTE applications. They are equipped with full features and options, including battery backup with dry contact alarms. With more than 300,000 systems deployed, our small cell systems are designed to withstand all types of weather conditions and harsh environments for reliable power anywhere on the planet.

Product Features

- Wall mount type
- Battery charger and monitor
- Full featured status and alarms
- Dry contact alarm
- IP55 grade
- Convection cooling type (no fan)

General Specifications	
Operating Temperature	-30 – 50°C (-22 – 122°F)
Storage Temperature	-40 – 85°C (-40 – 185°F)
Operating Humidity	10 – 90% (non-condensing)
Storage Humidity	5 – 95% (non-condensing)
Cooling	Convection cooling
Vibration	10 – 55Hz, 2G, 3 min mini period, 60 min each (3 axes)
Shock	20G peak acceleration
Reliability	>150,000 hours MTBF
Altitude	3,048m (10,000ft.)
Dimensions	260 x 220 x 370mm (10 x 8.7 x 14.6in.)

Emissions	
Emissions	EN55022 Level A (Conducted)
Electrostatic Discharge	EN61000-4-2, 4kV Contact / 8 kV Air
Radiated Susceptibility	EN61000-4-3, 26MHz - 1000MHz, 10 V/M, 80% AM
EFT/Bursts	EN61000-4-4, 2kV
Surge	EN61000-4-5
Conducted Immunity	EN61000-4-6, 0.15-800MHz, 10V 80%
Voltage Dips	EN61000-4-10, 95% Dip, 10 ms / 30% Dip, 500ms
Voltage Interruptions	EN61000-4-11, 95% reduction, 5ms
Fluctuations & Flicker	EN61000-3-3

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Input Specifications	
Voltage	1Ø220VAC (±20%)
Frequency	47 – 63Hz
Inrush	20A at 220VAC (max cold start) per module
Current	4A at 220VAC per module (max, continuous)
Protection	Double pole 10A fuse / 250VAC per module
Leakage	3.5mA max at 264VAC per module
Efficiency	90% typical
Harmonics	EN61000-3-2 Class D compliant (>98OF)
Protection	Input under voltage, over voltage

Output Specifications	
Output Voltage	-53.3VDC
Output Current	13A max
Adjustment Range	-40 – 58VDC
Line Regulation	±0.5% max over entire input range
Load Regulation	±0.5% max
Temperature Regulation	±0.5% max
Ripple	≤250mVp-p (10 – 14MHz)
Setpoint Accuracy	±0.5%
Over Current	105 – 130%
Over Voltage Protection	-59 VDC (recycle input to reset) Thermal shutdown Battery temperature compensation

Status and Control Signals	
Communication Interface	RS232C Local Interface, LED and Dry Contact Alarms

Safety Standards (pending)	
UL/cUL	60950-1
CE Mark	Low voltage directive
Telcordia	NEBS Compliant (Level 3)

Ordering Information

Model No.	Description
Portero 13A	-53.3VDC, 13A Small Cell System
Portero 13A-BR	Outdoor Enclosure with 48V Battery Backup