

Compact DC Power System

Compact and flexible



Eltek Valere's *Compact* DC Power System is an industry-leading system optimized for the demanding power needs of wireless communications and broadband access equipment. Requiring only 2RU (87.6mm) of rack height, the *Compact* DC Plant is the optimal flexible solution for a wide range of applications.

Applications

Business communication services

Plenty of power and embedded distribution makes the *Compact* system an ideal solution for powering customer premises based optical routers, multiplexers, and switches.

Broadband deployments

Small size and low heat output ease the burden on outdoor cabinet deployments. Ask how Eltek Valere *Compact* solutions are utilized for broadband upgrades to SLC96 and SLC5 cabinets.

E911 and location services

Not enough space in your remote BTS to deploy E911 and subscriber locator equipment? The *Compact* system is perfectly suited to these and other critical wireless applications.

The Eltek Valere Difference

Compact Design

Only 2RU of rack space makes room for more revenue-generating equipment.

Reduced installation and maintenance costs

Powerful system controller and elegant product design make for a simple to install and understand system. Upgrade in the field!

More productive workforce

A powerful remote management interface through Ethernet, SNMP, or Modem can make any workforce more productive.

Better quality of service

92% efficiency and Advanced Battery Management result in reliable, trouble-free networks.

Compact DC Power System

Additional Technical Specifications

Document
2052027 R4

- 24V and 48V solutions
- Flexible AC input, DC output, and battery interfaces
- Advanced digital control and communication

Output Specifications

V series rectifiers	<ul style="list-style-type: none"> ○ 24V: 60A ○ 48V: 10A, 15A, 20A, 25A, 30A, 40A, 50A
Noise	○ 20mV RMS, 10 kHz -20 MHz bandwidth
Regulation	○ +/- 1% over line, load, and temperature
Polarity	○ Universal, may be configured for positive or negative grounding

Input Specifications

AC range	<ul style="list-style-type: none"> ○ Universal line: 90 to 264 Vac (rectifiers up to 1250W) ○ High line only: 180 to 264 Vac (rectifiers > 1250W)
Power factor and THD	<ul style="list-style-type: none"> ○ >.98 for loads above 60% full load ○ Line Harmonics meet EN61000-3-2

Operational and Environmental

Efficiency	<ul style="list-style-type: none"> ○ 48V: 92% typical ○ 24V: 90% typical
Temperature range	<ul style="list-style-type: none"> ○ Storage -40°C to +85°C ○ Operating temperature depends on rectifier and shelf deployed

Control and Communications

BC-series controllers	<ul style="list-style-type: none"> ○ 16 Character front panel display ○ Battery float control with temperature compensation ○ Battery boost / equalize control ○ Up to four external and one internal temperature probes ○ Battery recharge and system current limit ○ Six programmable form-C relays
Other options	<ul style="list-style-type: none"> ○ 10/100 LAN with HTTP, SNMP, Telnet ○ MODEM interface with VT100



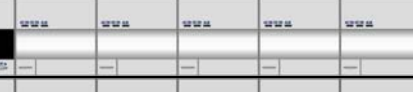


Mechanical

Dimensions	<ul style="list-style-type: none"> ○ Height: 87.6mm (3.45") (2RU) ○ Width: Fits EIA standard 482.6mm (19") or 584.2mm (23") racks, see table below ○ Depth: 304.8mm (12") (front access with front wire) ○ Depth: 381.0mm (15") (front access with rear wire)
Weight	<ul style="list-style-type: none"> ○ Shelf assembly: 8.2kg (18lbs) or less ○ V series rectifier: 3.2kg (7lbs)

System Options

AC wiring options	○ Single, dual, or individual AC feeds
DC distribution options	<ul style="list-style-type: none"> ○ Options for bulk termination, circuit breakers, or fuses ○ Options for LVD contactor for load or battery

Configuration Options

Shelf Configuration	Rack Width	Max. # of Rectifiers	Distribution Options
	482.6 mm (19")	4	Bulk outputs only
	482.6 mm (19")	3	Circuit breakers, fuses, bulk landings, LVD and ringer options
	584.2 mm (23")	5	Bulk outputs only, LVD option
	584.2 mm (23")	4	Circuit breakers, fuses, bulk landings, LVD and ringer options
	584.2 mm (23")	3	Circuit breakers, fuses, bulk landings, LVD option

Agency Certifications

NEBS	Level 3
UL/CSA	Canada/US UL60950-1
VDE	EN60950-1
EMI/EMC	CISPR Class B conducted and radiated; 10V/M radiated susceptibility
CE	CE Mark

Specifications are subject to change without notice