

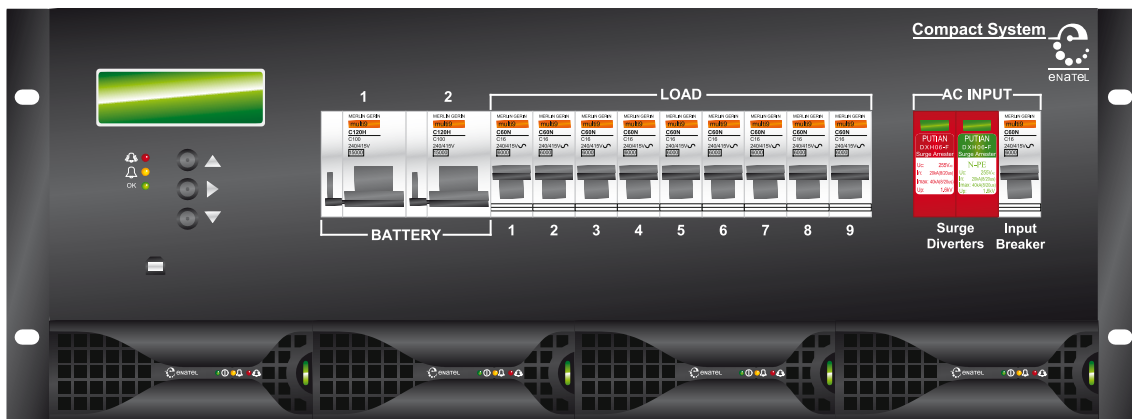
Compact System 1.8 - 7.2kW 48V DC (4U)

Enatel DC power systems are the ideal solutions for powering telecommunications and data networks requiring 24V or 48V DC.

We offer a range of solutions for applications from small standalone systems for applications like access nodes to medium sized systems for radio base stations for mobile networks to larger systems for central office power applications.

Systems are configured using Enatel's state of the art high frequency switchmode rectifier modules, Intelligent network capable controllers, AC & DC distribution modules, and cabinets. They can be customised and configured to meet individual customer requirements.

- World leading power density.
- Fully featured telecom grade rectifiers.
- Fully featured monitoring available.
- Modular 19" design for ease of installation.
- Includes AC surge protection and input circuit breaker.
- More room for revenue creating equipment.
- Upgrade existing systems to higher power.
- High reliability means less cost of maintenance.
- Full remote monitoring available means less site visits and less cost.
- Suitable for more harsh environments.



Specifications

AC Input	
Voltage Range:	180-290V ph-N (full power output) 90-180V ph-N (reduced power output)
Frequency Range:	45-66Hz
Power Factor:	>0.99 (full load)
Efficiency:	92% (full load)
Style:	Single 1-phase input, with a single terminal block. (standard)
Surge Protection:	MOV; 1x Ph-N, 1x N-Earth.
In(8/20 μ S):	20kA
Imax(8/20 μ S):	40kA
DC Output	
Nominal Voltage:	-48V (24V output available on request)
Float Voltage Range:	43-60V
Maximum Power Output:	7,200W
Maximum Current:	133A/-54V
Polarity:	Positive earth. (standard)
DC Distribution:	9x 20A MCBs fitted. (standard)
DC Terminals:	10mm ² tunnel terminals at rear for load connections.
Low Voltage Disconnect Options:	Single battery LVD fitted as standard. Up to two LVDs with independent control may be fitted on battery or load side. (option)
LVD Rating:	150A
Battery Distribution:	2x100A MCBs fitted with auxiliary fail detection. (standard)
Battery Terminals:	50mm ² tunnel terminals at rear for battery live connections.
Supervisory & Monitoring Module:	SM21 (standard) SM22 TCP/IP enabled for web based viewing/configuration. (option)
Rectifier Module:	RM1848 48V 1800W module
Alarms:	9x user configurable (6x pre-programmed, 3x unassigned), Non-urgent summary alarm Urgent summary alarm Rectifier fail Load fuse/breaker fail Battery fuse/breaker fail AC fail 1x non-configurable (monitor fail), Voltage free change-over contacts, rating: 1A at 60V DC
Environmental Requirements	
Ambient Temperature:	-10°C to +70°C (max. power de-rated above +50°C)
Humidity:	5-95% (non-condensing)
Altitude:	<2500m, De-rate max. ambient temperature by +4° per 1000m above sea level.
Mechanical	
Dimensions W, H, D:	482.6mm (standard 19" module), 177.7mm (4U, 5¼"), 365mm (14.5")
Weight:	11.2kg (no rectifiers) 17kg (with 4 rectifier modules)
Compliances	
Safety:	EN60950
Part Numbers	
Compact system with SM21:	PSC-0720404-010
Compact system with SM22:	PSC-0720404-000