

3U Compact System 1.0 - 6.0kW 48V DC

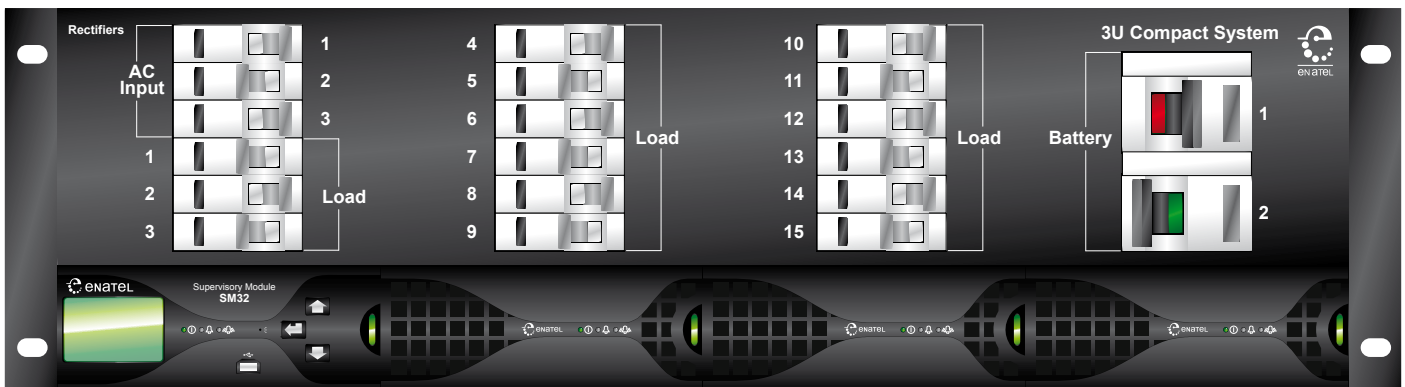
Enatel DC power systems are the ideal solutions for powering telecommunications and data networks requiring 24V, 48V or 60V DC.

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.

These compact systems are configured using Enatel's state of the art high frequency switch mode rectifier modules and intelligent network capable controllers. They include built in DC load and battery distribution and can be customized and configured to meet a wide range of customer requirements for access power solutions.

If you require any further information on Enatel's all new range of Compact DC Power Systems contact us today.

- World leading power density.
- Fully featured telecom grade rectifiers.
- Network monitoring available.
- Modular 19" design for ease of installation.
- European standard DIN circuit breakers.
- 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.
- Cost competitive.



Specifications

AC Input:	Three phase or Single phase (refer to RM18XX, RM20XX series brochures for full details)
Frequency Range:	45-66Hz
Power Factor:	>0.99 (full load)
Efficiency:	>91% (>50% power output)
Termination:	Three phase L1, L2, L3, N, E 6mm ² terminal blocks (Single phase by linking line terminals)
Protection:	20A circuit breaker provided per rectifier



DC Output	
Nominal Voltage:	-48V, -60V (+24V available to special order)
Rated System Output Power:	6000W @ -48V
Polarity:	Positive earth (negative earth available to special order)
DC Distribution:	
Load:	8x 10A, 4x 32A, 3x 50A load circuit breakers
Battery:	2x 100A battery circuit breakers
Breaker Fail Detection:	Electronic fail detection on both load and battery breakers
DC Terminals (rear connected):	
Load:	10A, 6mm ² tunnel terminals 32A, 10mm ² tunnel terminals 50A, 16mm ² tunnel terminals
Battery:	35mm ² tunnel terminals
Low Voltage Disconnect:	125A battery LVD fitted as standard

Mechanical

Dimensions:	
Size: Width:	482.6mm (standard 19" module)
Height:	133.3mm (3U, 5¼")
Depth:	350mm (13¾") (390mm with cable strain relief)
Weight:	11.5kg (excluding rectifier modules)
Shipping Dimensions:	
Size: Width:	540mm
Height:	200mm
Depth:	435mm
Weight:	14.5kg (excluding rectifier modules)

Monitoring & Control:	Various monitoring options are available via the Enatel SM30 series of control & supervisory modules. Standard features include full temperature compensation, automated and manual battery testing/equalisation and three voltage-free relay alarm outputs. Options include extension I/O PCBs that give an extra 6x digital inputs, 6x analogue inputs and 8x voltage-free relay outputs. For further details, refer to the SM30 series of brochures.
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Part Numbers:	Generic part numbers shown below. Actual part numbers will vary with configuration.
PSC06030310-200:	3U Compact System including standard SM31 supervisory module.
PSC06030311-200:	3U Compact System including standard SM31 supervisory module and I/O expansion card.
PSC06030320-200:	3U Compact System including standard SM32 supervisory module.
PSC06030321-200:	3U Compact System including standard SM32 supervisory module and I/O expansion card.