

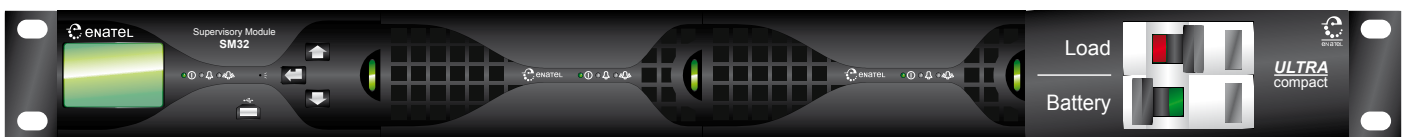
1U Ultra Compact System 1.0 - 4.0kW 48V DC

Enatel's Ultra Compact DC Power Systems range in power output from 1.0kW to 4.0kW and have a maximum output current of 83A. They are the ideal solution to meet the requirements of telecommunications applications such as access nodes and micro/pico base stations.

Utilizing Enatel's intelligent controllers and modular rectifiers our standalone 1U and 2U Ultra Compact DC Power Systems have been designed to be easily installed into any standard 19" rack and can be customized and configured to meet the individual requirements of each customer.

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

- Ultra compact size means more room for revenue generating equipment.
- World leading power density.
- Fully featured telecom grade rectifiers.
- Network monitoring available.
- Modular 19" design for ease of installation.
- High reliability means less cost of maintenance.
- Full remote monitoring available means less site visits and less cost.
- Easily customized and configured to suit each customers individual needs.



Specifications

AC Input:	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:	Single phase, 10mm ² L, N, E tunnel terminals



DC Output	
Nominal Voltage:	-48V, -60V (+24V available to special order)
Rated System Output Power:	4000W @ -48V
Polarity:	Positive earth (negative earth available to special order)
DC Distribution:	
Load:	1x 63A load circuit breaker
Battery:	1x 63A battery circuit breaker
Breaker Fail Detection:	Electronic fail detection on both load and battery breakers
DC Terminals:	Tunnel terminals, 10mm ²
Low Voltage Disconnect:	80A battery LVD fitted as standard

Mechanical

Dimensions:

Size:	Width:	482.6mm (standard 19" module)
	Height:	44.45mm (1U, 1¾")
	Depth:	350mm (13¾")

Weight: 5kg (excluding rectifier modules)

Shipping Dimensions:

Size:	Width:	540mm
	Height:	95mm
	Depth:	400mm

Weight: 6kg (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.

Part Numbers:

Generic part numbers shown below. Actual part numbers will vary with configuration.

PSC04020110-000:	1U Ultra Compact System including standard SM31 supervisory module.
PSC04020111-000:	1U Ultra Compact System including standard SM31 supervisory module and I/O expansion card.
PSC04020120-000:	1U Ultra Compact System including standard SM32 supervisory module.
PSC04020121-000:	1U Ultra Compact System including standard SM32 supervisory module and I/O expansion card.