

1U Front Connected Micro Compact System 0.8 - 2.4kW 48V DC

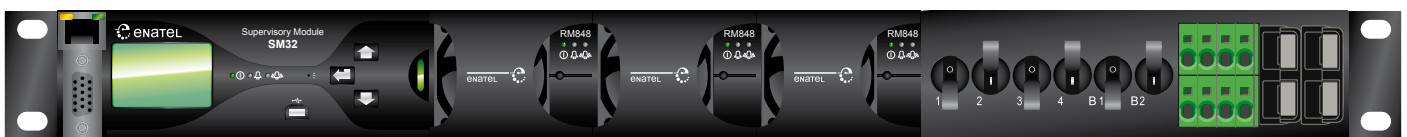
Enatel's micro compact DC power systems range in power output from 0.8kW to 2.4kW and have a maximum output current of 50A.

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 micro compact DC power systems have been designed to be easily installed into any standard 19" rack or ETSI 515mm/300mm deep 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 micro compact DC power systems contact us today.

- Micro compact size means more room for revenue generating equipment.
- World leading power density.
- Fully featured telecom grade rectifiers.
- Network monitoring available.
- Modular 19"/515mm ETSI 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.
AC Current:	170V AC, 15.0A max. 230V AC, 11.1A nominal (refer to RM8xx, series brochures for full details)
Frequency Range:	45-66Hz
Power Factor:	>0.99 (full load)
Efficiency:	>91% (>50% power output)
Termination:	Single phase, 1.5m flying lead.



DC Output	
Nominal Voltage:	-48V (+24V available to special order).
Rated System Output Power:	2400W max (50A @ -48V; 44.4A @ -54.0V)
Polarity:	Positive earth (negative earth available to special order).
DC Distribution:	
Load:	2x 10A, 2x 20A load circuit breakers.
Battery:	1x 30A battery circuit breaker (extra 30A battery breaker optional).
Breaker Fail Detection:	Electronic fail detection on both load and battery breakers.
DC Terminals (Front Connected):	
Load:	6mm ² push-in spring cage.
Battery:	55A power-pole plug-in connectors (1 set, 2 optional).
Low Voltage Disconnect:	50A battery LVD (magnetically latching) fitted as standard.

Mechanical

Dimensions (W,H,D):	482.6mm (standard 19" module), also fits ETSI 515mm mounting cabinet, 44.45mm (1U, 1.75"), 285mm (11.6")
Weight:	5kg (excluding rectifier modules)
Shipping Dimensions (W,H,D):	540mm, 95mm, 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.
Alarm Terminals:	Voltage-free alarm terminal connections via front panel hi-density D15 connector.

Part Numbers:	Generic part numbers shown below. Actual part numbers will vary with configuration.
PSX1606211F-000:	Micro compact system, 2x 800W 48V rectifiers, 6x load 2x battery MCB's, front termination, SM31 supervisory module.
PSX1606221F-000:	Micro compact system, 2x 800W 48V rectifiers, 6x load 2x battery MCB's, front termination, SM32 supervisory module.
PSX2404211F-000:	Micro compact system, 3x 800W 48V rectifiers, 4x load 2x battery MCB's, front termination, SM31 supervisory module.
PSX2404221F-000:	Micro compact system, 3 x 800W 48V rectifiers, 4x load 2x battery MCB's, front termination, SM32 supervisory module.