

# PSW04 SERIES SYSTEMS 4.0kW 48V DC



## ELECTRICAL

AC Input:	Single phase (refer to rectifier brochures for full details)		
Frequency Range:	45-66Hz		
Power Factor:	>0.99		
Termination:	16mm <sup>2</sup> screw terminals		
DC Output:			
Nominal Voltage:	24V DC	48V DC	60V DC
Output Power:	2.0kW	4.0kW	3.6kW
Polarity:	Negative earth	Positive earth	Positive earth
DC Distribution:	8x load circuit breakers (6-63A) 2x battery circuit breakers (6-63A)	8x load circuit breakers (6-63A) 2x battery circuit breakers (6-63A)	8x load circuit breakers (6-63A) 2x battery circuit breakers (6-63A)
Breaker Fail Detection:	Electronic fail detection		
DC Terminals:	Live: Common:	Direct to MCB 10mm <sup>2</sup> screw terminals	Direct to MCB 10mm <sup>2</sup> screw terminals
LVD:	125A magnetically latching battery LVD		

## MONITORING & CONTROL

Display:	Large multi-lingual alpha numeric backlit display		
Communications:	Serial: TCP/IP: Modbus:	1x USB port on front panel for local PC interface Ethernet interface for communication using SNMP protocol and internal web based configurator* Supported via TCP/IP*	
LED Indicators:	Green: Yellow: Red:	Power on/monitor OK Non urgent alarm Urgent alarm	
Audible:	90dBA buzzer mappable to user defined conditions		
Controls:	3x push buttons for parameter setting or viewing on front panel		
Signal Inputs:	Serial bus for rectifier control and interface to peripheral modules 3x digital inputs, 2x temperature sensors (one fitted by default)		
Alarms:	3x alarm relays, 2x of which can be mapped for customised alarm settings		
Alarm Contacts:	0.3A 100V volts free changeover contacts		
Logging Capacity:	Periodic log, 16,384 records (dependant on number of parameters logged) Event log, 16,384 records (dependant on number of parameters logged)		
Connections:	Relay outputs, mini combicon to accept 1.5mm <sup>2</sup> wire USB port, USB mini B		

\*TCP/IP and modbus options only available with SM32 supervisory module.



## ENVIRONMENTAL REQUIREMENTS

Ambient Temperature:	-20°C to +70°C (maximum output power is derated above +50°C)
Storage Temperature:	-30°C to +85°C
Humidity:	5-95% RH (non-condensing)
Altitude:	<2,500m at full power

## MECHANICAL

Dimensions W, H, D:	375.0mm, 620.0mm, 80.0mm
Weight:	10.5kg (excluding rectifier modules)
Shipping Dimensions W, H, D:	470.0mm, 730.0mm, 200.0mm
Shipping Weight:	12.0kg (excluding rectifier modules)

## PART NUMBERS

PSW02:	Wall Mount system, 2x 24V DC modular rectifiers, 8x load 2x battery MCB's, SM32 supervisory module
PSW04:	Wall Mount system, 2x 48V DC modular rectifiers, 8x load 2x battery MCB's, SM32 supervisory module
PSW06:	Wall Mount system, 2x 60V DC modular rectifiers, 8x load 2x battery MCB's, SM32 supervisory module

\*System part numbers are dependent on configuration options. For final system part numbers consult our sales staff for configuration advice.

## CONFIGURATION OPTIONS

Rectifiers:	RM2048XE, 2.0kW modular rectifier, 230V AC input, 48V DC output, 41.7A maximum output RM2048HE, 2.0kW modular rectifier, 230V AC input, 48V DC output, 41.7A maximum output RM2048/24, 2.0kW modular rectifier, 230V AC input, 48 or 24V DC output, 41.7A maximum output RM1860/48, 1.8kW modular rectifier, 230V AC input, 60 or 48V DC output, 30.0A maximum output
Supervisory Modules:	SM31, standard monitor featuring full temperature compensation, automated and manual battery testing/equalisation SM32, enhanced monitor featuring full temperature compensation, automated and manual battery testing/equalisation with TCP/IP

## COMPLIANCES

Safety:	EN60950
Immunity:	CISPR24
Emissions:	CISPR22
AC Harmonics:	EN61000-3-2
AC Flicker and Fluctuation:	EN61000-3-3
Other:	CE & RoHS compliant



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