

# PSX24 SERIES SYSTEMS 2.4kW 48V DC



ELECTRICAL		PSX16 V2	PSX24 V1	PSX24 V2
AC Input:		Single phase (refer to rectifier spec for full details)	Single phase (refer to rectifier spec for full details)	Single phase (refer to rectifier spec for full details)
Frequency Range:		45-66Hz	45-66Hz	45-66Hz
Power Factor:		>0.99 (full load)	>0.99 (full load)	>0.99 (full load)
Termination:		Single phase, 1.0m unterminated lead	Single phase, 1.0m unterminated lead	Single phase, 1.0m unterminated lead
DC Output:	Nominal Voltage: Max. Output Power: Polarity:	48V DC 1.6kW Positive earth	48V DC 2.4kW Positive earth	48V DC 2.4kW Positive earth
DC Distribution:		6x load circuit breakers (6-30A) 2x battery circuit breakers (max 30A)	1x load circuit breakers (6-50A) 1x battery circuit breakers (max 50A)	4x load circuit breakers (6-30A) 2x battery circuit breakers (max 30A)
Breaker Fail Detection:		Electronic fail detection	Electronic fail detection	Electronic fail detection
DC Terminals (Front Connected):	Load: Battery:	6mm <sup>2</sup> push-in spring cage 50A power-pole plug-in connectors	16mm <sup>2</sup> screw terminal plug 16mm <sup>2</sup> screw terminal plug	6mm <sup>2</sup> push-in spring cage 50A power-pole plug-in connectors
LVD:		80A magnetically latching battery LVD	80A magnetically latching battery LVD	80A magnetically latching battery LVD

## MONITORING & CONTROL

Display:		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 6x digital inputs, 2x temperature sensors (one fitted by default)
Alarms:		6x alarm relays, 5x 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



PSX16 V2



PSX24 V1



PSX24 V2

\*TCP/IP and modbus options only available with SM36 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:	482.6mm (19" mount), 44.45mm (1U), 285.0mm
Weight:	5.0kg (excluding rectifier modules)
Shipping Dimensions W, H, D:	540.0mm, 95.0mm, 400.0mm
Shipping Weight:	6.0kg (excluding rectifier modules)

## PART NUMBERS

PSX16 V2:	Micro compact system, 2x modular rectifiers, 6x load 2x battery MCB's, SM36 supervisory module
PSX24 V1:	Micro compact system, 3x modular rectifiers, 1x load 1x battery MCB's, SM36 supervisory module
PSX24 V2:	Micro compact system, 3x modular rectifiers, 4x load 2x battery MCB's, SM36 supervisory module

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

## CONFIGURATION OPTIONS To be advised at time of order

Rectifiers:	RM648, 600W modular rectifier, 110/230V AC input, 48V DC output, 12.5A maximum output current RM848, 800W modular rectifier, 230V AC input, 48V DC output, 16.6A maximum output current
Supervisory Modules:	SM35, standard monitor featuring full temperature compensation, automated and manual battery testing/equalisation SM36, enhanced monitor featuring full temperature compensation, automated and manual battery testing/equalisation with TCP/IP

## OPTIONS

ACA-BC08P2:	2m, 8mm <sup>2</sup> Ø battery cable kit (other lengths available to special order)
ARBP-0M:	Metal rectifier blanking panel

## 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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