

PPS SERIES SYSTEMS 3.0-27.0kW 48V DC



ELECTRICAL

	PPS3	PPS9
AC Input:	Three phase or single phase (refer to rectifier spec for full details)	Three phase or single phase (refer to rectifier spec for full details)
Frequency Range:	45-66Hz	45-66Hz
Power Factor:	>0.99 (full load)	>0.99 (full load)
DC Output: Nominal Voltage:	24, 48, 60 or 110V* DC	24, 48, 60 or 110V* DC
Max. Output Power:	9.0kW (3.0kW per module)	27.0kW (3.0kW per module)

*Requires HV model.

MONITORING & CONTROL

Display:	Large multi-lingual alpha numeric backlit display
Communications:	Serial: 1x USB port on front panel for local PC interface TCP/IP: Ethernet interface for communication using SNMP protocol and internal web based configurator* Modbus: Supported via TCP/IP*
LED Indicators:	Green: Power on/monitor OK Yellow: Non urgent alarm Red: 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 Up to 6x digital inputs, 2x temperature sensors (one fitted by default)
Alarms:	Up to 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 comicon to accept 1.5mm ² wire USB port, USB mini B

*TCP/IP and modbus options only available with SM34/6 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

COMPLIANCES

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

MECHANICAL

	PPS3	PPS9
Dimensions W, H, D:	195.0mm, 390.0mm, 390.0mm	340.0mm, 660.0mm, 440.0mm
Weight:	21.0kg (3x modules fitted)	40.0kg (9x modules fitted)

PART NUMBERS

	PPS3	PPS9
PPS3/9:	PPS3 system, up to 3x modular rectifiers, SM36 supervisory module	PPS9 system, up to 9x modular rectifiers, SM36 supervisory module
PPS3/9-HV:	PPS3 system, up to 3x modular rectifiers (RM30110), SM34 supervisory module	PPS9 system, up to 9x modular rectifiers (RM30110), SM34 supervisory module

CONFIGURATION OPTIONS

Rectifiers:	RM3048XE, 3.0kW modular rectifier, 230V AC input, 48V DC output, 60.0A maximum output RM3048/24, 3.0kW modular rectifier, 230V AC input, 48 or 24V DC output, 60.0A maximum output RM3060/48, 3.0kW modular rectifier, 230V AC input, 60 or 48V DC output, 50.0A maximum output RM30110, 3.0kW modular rectifier, 230V AC input, 110V DC output, 27.3A maximum output (use with HV models)
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 SM33, standard monitor featuring full temperature compensation, automated and manual battery testing/equalisation (use with HV models) SM34, enhanced monitor featuring full temperature compensation, automated and manual battery testing/equalisation with TCP/IP (use with HV models)



PPS3 System

PPS9 System

