

PSC06 HV SERIES

INDUSTRIAL SYSTEMS 6.0kW 110V DC



ELECTRICAL

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|-------------------------|---|
| AC Input: | Single phase (refer to rectifier spec for full details) |
| Frequency Range: | 45-66Hz |
| Power Factor: | >0.99 (full load) |
| Termination: | Single phase L, N, E 16mm ² terminal blocks, surge protection (40KA 8/20µsec) |
| DC Output: | Nominal Voltage: 110V DC Max. Output Power: 6.0kW Polarity: Floating earth |
| DC Distribution: | 1x 63A 2 pole load MCB (breaks +ve & -ve) 1x 63A 2 pole battery MCB (breaks +ve & -ve) |
| Breaker Fail Detection: | Auxiliary breaker detect |
| DC Terminals: | Load: 35mm ² rear connect tunnel terminals Battery: 35mm ² rear connect tunnel terminals |

MONITORING & CONTROL

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|-------------------|---|
| Display: | 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 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 (0.15A @ 160V DC) |
| 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 ² wire USB port, USB mini B |



*TCP/IP and modbus options only available with SM34 supervisory module.

ENVIRONMENTAL REQUIREMENTS

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| Ambient Temperature: | -20°C to +70°C (maximum output power is derated above +55°C) |
| Storage Temperature: | -30°C to +85°C |
| Humidity: | 5-95% RH (non-condensing) |
| Altitude: | <2,500m at full power |

COMPLIANCES

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

MECHANICAL

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|------------------------------|---|
| Dimensions W, H, D: | 482.6mm (19" mount), 89.0mm (2U), 415.0mm |
| Weight: | 7.5kg (excluding rectifier modules) |
| Shipping Dimensions W, H, D: | 540.0mm, 154.0mm, 435.0mm |
| Shipping Weight: | 9.0kg (excluding rectifier modules) |



PART NUMBERS

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|-------------|--|
| PSC0602113: | HV ultra compact system, 2x modular rectifiers, SM33 supervisory module |
| PSC0602114: | HV ultra compact system, 2x modular rectifiers, SM34 supervisory module (TCP/IP) |

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

CONFIGURATION OPTIONS

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|----------------------|--|
| Rectifier: | RM30110, 3.0kW modular rectifier, 230V AC input, 110V DC output, 27.3A maximum output |
| Supervisory Modules: | SM33, standard monitor featuring full temperature compensation, automated and manual battery testing/equalisation SM34, enhanced monitor featuring full temperature compensation, automated and manual battery testing/equalisation with TCP/IP |

OPTIONS

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|----------------|--|
| ASM-ABM24-110: | Battery condition monitor for 110V battery strings |
| ASM-AC3P: | AC mains monitor |



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