Technical data sheet for the
Resilient Power Control Module 3x250
(RPCM 3x250)

RCNTEC

RPCM

The Smartest PDUs for The Smartest Customers!

RPCM 3x250 combines remote power control, hashrate watchdog with automatic power reset, short circuit protection and power consumption metering per output in a single device.

Model		3250
Power rating		180 kVA (240V)
Input	Connection type	3 phase+neutral+protective conductor (protective ground) (two power strip terminals 70-180 mm² for each connection)
	Voltage and current rating	100-240V (3 phase+neutral+protective conductor (protective ground)), 3 phases x 250A
	Frequency	50/60 Hz ± 5%
	Grounding control	Indication of grounding presence/absence
Output	Number of connections	90 connections, 30 managed channels (3 connections per channel)
	Connection type	Spring loaded clamp terminals: 4 mm² for phase and neutral conductors connecting, 2.5 mm² for protective conductors
	Voltage and current rating of the managed channel	100-240V (phase+neutral+protective conductor), 25A per each managed channel
	Automatic curcuit breaker type	- Overload protection: configurable 0.1-25A (default setting 25A) - Short circuit protection: 3 x iNom (triggers at a short-circuit current of 75A)
	Power consumption metering	Separate power consumption metering on each managed channel
	Time of powering on managed channel	Programmable (default delay 1 second)
External indicator lights (display)	Input state	- On/Off/voltage and frequency params out of range alert (separately in phases) - Grounding indication presence/absence
	Channel (output) state	On/Off/Short circuit/Output overcurrent/Input overcurrent
Remote control and remote monitoring	Input state	- On/Off/voltage and frequency params out of range alert - Current/Voltage/Frequency/Wattage - Grounding indication presence/absence
	Channels state	- On/Off/Short circuit/Output overcurrent/Input overcurrent - Managing current cutoff thresholds and power-on delay
	Power consumption metering	Separate power consumption metering on each of 30 managed channels
	Supported protocols	- HTTP/HTTPS (WEB interface/REST API) - SSH - SNMPv1, SNMPv2c, SNMPv3, SNMP Traps - SMTP
	Automation (Watchdog)	- Output channel (outlet) reset, if the miners hash rate decreases - Output channel (outlet) reset, if there are no responses to ICMP requests (pings) - Output channel (outlet) reset, if the TCP port is unavailable - Output channel (outlet) reset, when the current decreases
Communication interface		3 x Ethernet 10/100 Mbps (one per each input)
Accessories included		Electric panel, wall mounting kit, quick install guide
Panel size (width x height x depth)		600x610x250 mm, wall mounting
Module weight		33.65 kg
Operating temperature		0 ~ +40 °C
Storage temperature		-20 ~ +60 °C
Operating humidity		45 ~ 85 % (no condensation)
Cooling		Passive
Noise level		Under 30 dBA (powering on/off and switching ports)