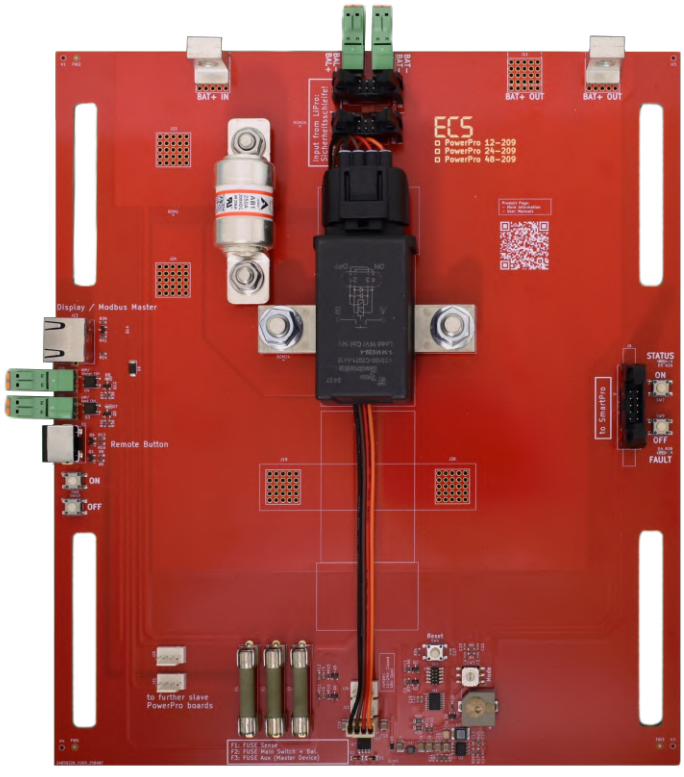
REMOTE-CONTROLLED BATTERY MAIN SWITCH
& SECONDARY PROTECTION

PowerPro-209

PowerPro serves as a remote-controlled main switch and as a secondary protection if the MOSFET switch fails. Alternatively, it can also be used normal switch for disconnection in the event of cell overvoltage or deep discharge. The desired operating mode can be set using a rotary coded switch. PowerPro can be flange-mounted to the side of the battery pack just as easily as the SmartPro module. The PowerPro module also provides a simple connection for displays (data bus connector). Two galvanically isolated electronic relay outputs provide signals for charge and load control. This makes it possible to easily control combinated devices such as Victron Multiplus. When switched off, the power consumption of the battery drops to almost zero.



Made in Germany

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Product features and advantages

- Bistable relay for low power consumption
- High level of safety as it is used as a second protection device
- Fuse from Adler Elektrotechnik with > 50 kA breaking capacity
- Microprocessor controlled
- Alarm buzzer
- Quick and easy installation on the side of the battery on the existing threaded rods
- Simple wiring with cell connector possible
- Connection option for compensation cables of active balancers (LiPro 1.6 Active)
- Versions available for 12, 24 and 48 V battery systems
- Can be perfectly combined with SmartPro and LiPro
- Main switch operation: remote or local control possible
- Integrated fuse protection for display devices and balancer compensation cables

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PowerPro-209

	PowerPro 12-209	PowerPro 24-209	PowerPro 48-209	Unit
	Electrical data			
Nominal system voltage	12	24	48	V
Max operating voltage	15	30	60	V
Max continuous current	125			A
Max peak current	Peak **1500** A / 1ms			A
Max continuous power	1500	3000	6000	W
Switch-on resistance typ. (measured with 150A fuse)	1.16			mΩ
Switch-on resistance max (measured with 150A fuse)	1.25			mΩ
Max fuse protection	300			A
	Overvoltage protection			
Breakdown voltage	17.5	35	70	V
Total power Surge protection (Pppm) (Peak pulse power dissipation with A 10/1000 µs waveform).	20	40	80	kW
	Control system			
Control voltage LVP, OVP	4.7 to 60			V
Power consumption typ.	< 30			mW
Storage time example: 60 Ah / 12 V / Winston battery	> 1			Year
	Mechanical data			
Dimensions (LxWxH) without plug	275 mm x 241 mm x 42 mm Slotted holes for M8 threaded rod Distance: 218 mm for cell width up to max 209 mm			mm
Weight	720			g
High-current connection terminals	M8			mm
Protection class	IP00			

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