

Battery-powered UPS PC-0524-400-0

Advantages

Automatic detection of battery modules at UPS control unit

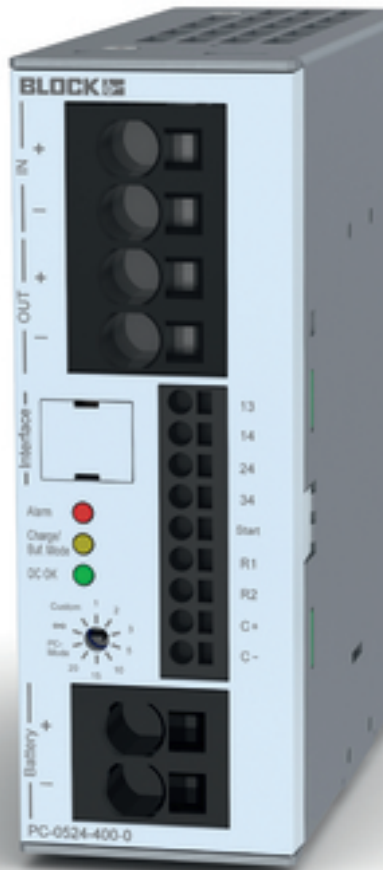
Reliable early warning signal when battery life expectancy is declining

Extended life expectancy through temperature controlled battery management

Additional information about charge status and remaining time of batteries

Applications

Charge- and control unit for lead batteries for guaranteeing an uninterruptible power supply.



Standards

Safety:
IEC 61010 (SELV) (PELV)

EMC:
EN 61000-6-3 (Interference emissions), EN 61000-6-2 (Interference immunity)

Approvals

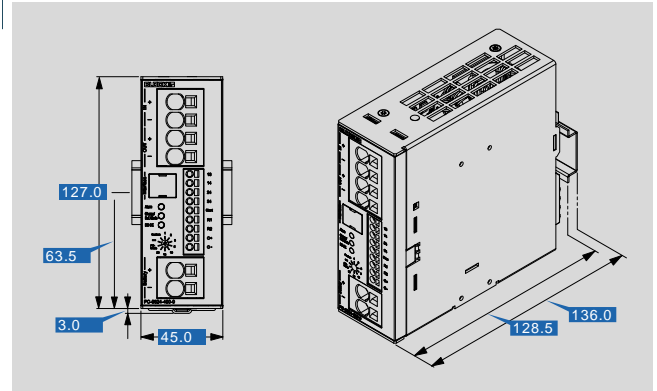


Battery-powered UPS

PC-0524-400-0

Type		PC-0524-400-0
Electrical data	Input	
	Input rated voltage	24 Vdc
	Input voltage range	18 – 30 Vdc
	Current input (idle/charging/max.)	0.1 / 7 / 47 A
	Output	
	Output rated voltage	24 Vdc
	Output voltage normal operation	typ. U _{in} - 0.25 Vdc
	Output rated voltage, battery mode	typ. battery voltage - 0.25 Vdc
	Resistance to reverse feed max.	35 Vdc
	Output rated current	40 A
	max. Power loss idling/nominal load	2 W / 12 W
	Efficiency	typ. 99 %
	Output limited current	100 A / 50 ms, 60 A / 10 s
	Storage medium	
	Charging current	max. 5.0 A
	Parallel connection	Yes, max. 3 batteries to increase the buffer time
	Recommended storage medium	24 Vdc / 12 Ah
	End-of-charge voltage	26 – 29.5 Vdc
	Signaling	
	Bus communication	USB 2.0
Operating status	LED green, LED red, LED yellow	
Potential-free signal contact	N/O contact, max. 30 V / 100 mA current limiting (in 3 separate signal outputs)	
Environment		
Ambient temperature	-25 °C...+60 °C	
Storage temperature	-25 °C...+85 °C	
Safety and protection		
Protection index	IP 20	
Safety class	III	
Order numbers		
Order Number	PC-0524-400-0	

Type		PC-0524-400-0
Mechanical data	Terminal and mounting	
	Terminals signaling	Push In, max. 2.5 mm ²
	Terminals Input	Push In, max. 16 mm ²
	Terminals Output	Push In, max. 16 mm ²
	Terminals storage medium direct plug-in technology Push-in	max. 16 mm ²
Measures and weights		
	Weight	0.58 kg



Subject to change.