

RMB.e and RCB.e technical data

Rating (A)	50*	100	150 (RCB.e only)			
Input						
Nominal voltage	230 Vac 1-phase (RMB.e) or 400 Vac 3-phase (RCB.e) $\pm 10\%$					
Frequency	50/60 Hz ± 5 Hz					
Output						
Nominal voltage	24/48/110/Vdc, 220 Vdc only for RCB.e					
Operating voltage	Floating: 2.27 (VRLA), 2.2 \div 2.3 (VLA), 1.4 \div 1.5 (Ni-Cd) V/cell adjustable Boost: 2.4 \div 2.45 (VLA), 1.5 \div 1.65 (Ni-Cd) V/cell adjustable Equalizing: up to 2.35 (VRLA), up to 2.7 (VLA), up to 1.7 (Ni-Cd) V/cell adjustable					
Static voltage regulation	$\pm 1\%$					
Voltage ripple	$\leq 1\%$					
Overload capacity	<120% for 20 min; <150% for 2 min; >150% for 20 s					
Charging characteristic	IU (according to DIN 41773), I ₁ U ₁ , U ₁ U ₂ I					
System and environmental						
Isolation	Input/output					
Dimensions WxHxD (mm)	550x1300x550					
Weight (kg)	Product weights vary with output rated current and voltage (see the table below)					
Rating	50		100		150	
	RMB.e	RCB.e	RMB.e	RCB.e	RCB.e	
Output voltage	24 Vdc	80	90	90	100	110
	48 Vdc	90	100	100	115	135
	110 Vdc	100	115	110	145	175
	220 Vdc	-	150	-	180	240
Cooling	Forced ventilation					
Colour	RAL 7035					
Protection degree (IEC 60529)	IP21 (option up to IP41)					
Operating temperature	-10 °C \div +40 °C					
Storage temperature	-20 °C \div +70 °C					
Altitude	<2000 m (derating according to EN 62040-3)					
Audible noise at 1 meter (dBA)	<65					
Options	Associated battery cabinets; matching cabinets for distribution and dropping cells; built-in battery breaker; external battery breakers in standard or Eex-d wall-mounted box; battery thermal probe; block diode for parallel; earth fault alarm; fan monitoring and alarm; control logic redundant supply					
User Interface						
Front panel	LCD display with 4x LED set, mimic and keyboard					
Connectivity (optional)	up to 2 SPDT contact relay cards, RS232 serial port, RS485 ModBus-RTU serial port, ModBus to PROFIBUS DP adapter, Ethernet SNMP/WEB adapter, remote monitoring software					

*25A size available only for RMB.e (more details on request)