

## RTB.e technical data

Rating (A)	50	100	150	200	300	400	500	600	800	1000	
<b>Input</b>											
Nominal voltage	400 Vac 3-phase $\pm 10\%$										
Frequency	50/60 Hz $\pm 5\%$										
Input THDi	27% 6p, 12% 12p, 6% THD filter +12p										
<b>Output</b>											
Nominal voltage	24/48/110/220 Vdc										
Operating voltage	Floating: 2.27 (VRLA), 2.2 $\pm$ 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 <sub>1</sub> I <sub>2</sub> U, U <sub>1</sub> U <sub>2</sub> I										
<b>System and environmental</b>											
Isolation	Input/output										
Dimensions WxD (mm)	Height is 2100 mm, width and depth vary with output rated current and voltage (see the table below)										
Rating	50	100	150	200	300	400	500	600	800	1000	
Output voltage	24 Vdc	600x800	600x800	600x800	600x800	600x800	800x800	800x800	800x800	1000x800	
	48 Vdc	600x800	600x800	600x800	600x800	800x800	800x800	800x800	1000x800	1000x800	
	110 Vdc	600x800	600x800	600x800	600x800	800x800	800x800	1000x800	1000x800	1000x1000	
	220 Vdc	600x800	600x800	800x800	800x800	800x800	1000x800	1200x1000	1000x800	1000x1000	
Maximum weight (kg)	330	460	550	630	750	870	970	1050	1350	1500	
Cooling	Natural							Forced ventilation			
Efficiency	93%										
Colour	RAL 7035										
Protection degree (IEC 60529)	IP20 (other options)										
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 $\div$ 70										
<b>Options</b>	Associated battery cabinets; associated distribution panels and dropping cells or DC/DC chopper converters; built-in battery breaker; external battery breakers in standard or Eex-d battery protection box; battery thermal probe; block diode or electronic load sharing for parallel; earth fault alarm; fan monitoring and alarm.										
<b>User Interface</b>											
Front panel	LCD display, LED mimic, keyboard. Customisable status and alarms LED set										
Connectivity	SPDT contact relay card Optional: RS232 serial port, RS485 Modbus-RTU serial ports, ModBus to PROFIBUS DP adapter, Ethernet SNMP/WEB adapter, remote monitoring software, up to 2 additional SPDT contact relay cards										