

E2001.e technical data

Rating (kVA)	5	10	15	20	30	40	50	5	10	15	20	30	40	50	60	80	100
Nominal power (kW)	4	8	12	16	24	32	40	4	8	12	16	24	32	40	48	64	80

Input

Input voltage	380/400/415 (optional 208/480) Vac 3-phase $\pm 10\%$, 50/60 Hz $\pm 10\%$																
Input THDi	27% 6p, 12% 12p, 6% THD filter + 12p																
Bypass input voltage	110/115/120 or 220/230/240 Vac 1-phase $\pm 20\%$ (adjustable according to inverter output voltage)																

Battery

DC voltage	110 Vdc (90÷160 Vdc range)								220 Vdc (180÷300 Vdc range)								
Operating battery voltage	Floating: 2.27 (VRLA), 2.2÷2.3 (VLA), 1.4÷1.5 (Ni-Cd) V/cell adjustable Boost: 2.4÷2.45 (VLA), 1.5÷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																

Output

Nominal voltage	110/115/120/220/230/240 Vac 1-phase																
Frequency	50/60 Hz (selectable), ± 0.001 Hz free running, ± 2 Hz synchronized with mains																
Voltage regulation	$\pm 1\%$ static; $\pm 5\%$ dynamic (80% load change), <40 ms recovery time																
Overload capacity	125% for 10 min; 150% for 1 min; 200% for 100 ms																
Harmonic Distortion THDv	<2% linear load; <5% non-linear load																

System

Isolation	Floating battery; input/output isolation available with additional bypass transformer.																			
Dimensions W (mm)	Height is 2100 mm, depth is 800 mm, width varies with output voltage range and rating (see the table below)																			
Rating	5	10	15	20	30	40	50	5	10	15	20	30	40	50	60	80	100			
Output voltage	110÷120 Vac	800			1400			1800			800			1200		1400		1600	1800	2400
	220÷240 Vac	800			1400			1800			800			1200		1400		1600	1800	
Maximum weight (kg)	450	500	600	650	820	900	1000	460	520	620	670	750	850	950	1150	1250	1400			
Cooling	Forced ventilation																			
Efficiency	88%																			
Colour	RAL 7035																			
Protection degree (IEC 60529)	IP20 (other options)																			