

E3001.e technical data

Rating (kVA)	5	10	15	20	30	40	50	60	80	100	120	160	200	
Nominal power (kW)	4	8	12	16	24	32	40	48	64	80	96	128	160	
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	200/208/220 or 380/400/415 (optional 480) Vac $\pm 20\%$ (adjustable according to inverter output voltage)													
Battery														
DC voltage	available DC bus voltages vary with requested output AC voltages and rating (see the table below)													
Output voltage	200 \div 220 Vac	110 Vdc (90 \div 160 Vdc range) 220 Vdc (180 \div 300 Vdc range)												
	380 \div 415 Vac	110 Vdc (90 \div 160 Vdc range) 220 Vdc (180 \div 300 Vdc range)										220 Vdc (180 \div 300 Vdc range)		
Operating battery 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													
Output														
Nominal voltage	200/208/220/380/400/415 (optional 480) Vac 3-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 WxD (mm)	Height is 2100 mm, width and depth vary with input voltage and rating (see the table below)													
Rating (kVA)	5	10	15	20	30	40	50	60	80	100	120	160	200	
Input voltage	110 Vdc	800x800			1400x800		1600x800		2000 x800	2000 x1000	2400 x1000	-	-	-
	220 Vdc	800x800			1200 x800	1400 x800* /1200 x800"	1400x800		1600 x800	2400 x800* /1600 x800"	2400 x800	2000 x800"	2000 x1000"	2400 x1000"
Maximum weight (kg)	460	520	620	670	750	850	950	1150	1250	1400	1520	1680	1970	
Cooling	Forced ventilation													
Efficiency	88%													
Colour	RAL 7035													
Protection degree (IEC 60529)	IP20 (other options)													

* 208 Vac ~400 Vac