

Easy UPS 3M technical specifications

Rated Power (kVA/kW)	60/60	80/80	100/100	120/120	160/160	200/200
Normal AC supply input						
Input voltage (V)	380/400/415 V (Three-phase + Neutral + PE)					
Frequency (Hz)	40–70 Hz					
Input power factor	>0.99					
THDI	<3% at full linear load					
Input voltage range	342 V to 477 V at full load at 40°C**					
Dual mains input	Yes (default: single mains input)					
Output						
Nominal output voltage (V)	3:3 – 380/400/415 V					
Efficiency: Double conversion mode	Up to 95.5%					
Efficiency: ECO mode	Up to 99%					
Overload capacity in normal operation	125% for 10 minutes, 150% for 1 minute*					
Output voltage tolerance	+/-1%					
Communication and management						
Communication interface	RS485, USB, Dry contact, Modbus TCP/IP (SNMP optional)					
Control panel	Five inch touchscreen LCD, status, and display console					
Weights and dimensions						
UPS for external batteries, unpackaged/ shipping dimensions (H × W × D, mm)	915 × 360 × 850 mm/ 1140 × 475 × 965 mm	915 × 360 × 850 mm/ 1140 × 475 × 965 mm	915 × 360 × 850 mm/ 1140 × 475 × 965 mm	1300 × 500 × 850 mm/ 1500 × 625 × 975 mm	1300 × 500 × 850 mm/ 1500 × 625 × 975 mm	1300 × 600 × 850 mm/ 1500 × 725 × 975 mm
UPS with internal batteries, unpackaged/shipping dimensions (HxWxD, mm)	1970 × 600 × 1000mm/ 2102 × 750 × 1125mm	1970 × 600 × 1000mm 2102 × 750 × 1125mm				
UPS for external batteries, unpackaged/shipping, weights (kg)	109/133	140/164	145/169	193/223	227/257	304/338
UPS for internal batteries, without batteries, unpackaged/shipping weight (kg)	311 (360)	339 (387)				
Regulatory						
Safety	IEC/EN 62040-1		Performance		IEC62040-3	
EMC/EMI/RFI	IEC 62040-2		Environmental		IEC 62040-4	
Markings	CE TUV					
Battery type						
Battery type	VRLA					
Nominal DC Bus (100% load)	+/-216 to +/-300					
Charging power in % of output power (selectable)	for external batteries: 1-20% with internal batteries: 1-16%	for external batteries: 1-30% with internal batteries: 1-24%	for external batteries: 1-24%	for external batteries: 1-20%	for external batteries: 1-22.5%	for external batteries: 1-24%
Environmental						
Operating temperature	0 to 40°C					
Relative humidity	0 to 95% non-condensing					
Operating elevation	0 to 1,500 m at 100% load					
Audible noise at 1 m from unit	60-100 kVA: 65 dBA at 100% load*; 120-200 kVA: <70 dBA at 100% load*					
Protection class	IP20					

*Under 30°C

**342–150 with a linear derating of the load to 30%