

E200(E)U

1:1 6-10kVA



FEATURES



TOWER UPS



ENGINEER
INSTALLATION



USB
CONNECTIVITY

HIGHLIGHTS

- High frequency, double conversion online technology
- Built-in Maintenance Bypass Switch
- Fully digitised DSP control
- Wide input voltage range
- Cold start and programmable auto re-start functions
- Advanced battery management
- Selectable ECO mode for high efficiency operation
- Lightning and surge protection
- Short circuit and overload protection
- Automatic fan speed control with load variation
- Emergency Power Off facility
- Smart RS232 and USB comms with monitoring software
- Optional relay or SNMP communications card
- Operate up to four units in parallel

The Dale E200(E)U UPS range is a high density double conversion Online UPS suitable for powering a wide range of devices such as servers, storage systems, VoIP telephony equipment, network and medical systems as well as industrial applications.

The newly-designed inverter is one of the best energy conversion systems on the market, with a unity output power factor and >93% operating efficiency in ON LINE Mode.

For business continuity applications requiring long battery runtimes, battery autonomy can be extended up to several hours using up to 3 matching battery expansion packs.

RELIABILITY

- Total Microprocessor and DSP Control
- Interruption-free Static and maintenance bypass
- Low noise (<55 dBA): the E200(E)U can be installed in any environment thanks to its high frequency switching inverter and load-dependent digitally controlled fan;
- Operation guaranteed up to 40 °C (the components are designed for high temperatures and are thus subject to less stress at normal temperatures);

UNITY POWER FACTOR

- More power delivered;
- More real output power (W)

SOFTWARE

UPS MONITORING SUITE

COMMUNICATION ACCESSORIES

E-SNMP/2 - SNMP card for network monitoring of UPS

E-RELAY/2 - Volt-free card for status monitoring of UPS

RUNTIME EXPANDABILITY

Optional matching battery packs for this unit enable you to expand the autonomy whilst maintaining the high quality look of the UPS suite.

Versions with EU suffix allow for no internal batteries and a more powerful controlled battery charger (10A) to allow for longer runtimes.

HIGH BATTERY RELIABILITY

- Automatic and manual battery test;
- Extendible runtime using matching battery cabinets. (maximum 4 cabinets)

HIGH QUALITY OUTPUT VOLTAGE

- Even with non-linear loads (IT loads with a crest factor of up to 3:1);
- High short circuit current on bypass;
- Filtered, stabilised and reliable voltage (ON LINE double conversion technology (VFI compliant with EN62040-3) with filters for the suppression of atmospheric disturbances;
- Power factor correction: UPS input power factor close to 1 and sinusoidal current uptake.

INSTALLATION ACCESSORIES

EMBS63/11/2 - Wall Mount EMBS for Single Phase Input UPS



MODEL	E206U	E206EU	E2010U	E2010EU
OVERVIEW				
Active power (kVA)		6kVA		10kVA
Active power (kW)		6kW		10kW
Topology		True Online Tower UPS		
INPUT				
Number of phases		1P + N + E		
Nominal voltage		220 / 230 / 240 Vac		
Voltage Range		120 - 276 Vac		
Frequency Range		40Hz - 70Hz (Auto-Detect)		
Power Factor		>0.99		
OUTPUT				
Number of Phases		1P + N + E		
Power factor		1.0pf		
Nominal voltage (V)		208 / 220 / 230 / 240Vac ± 1%		
Frequency Range		50 - 60 Hz ± 0.1Hz		
THD (Linear Load)		<3%		
THD (Non-Linear Load)		<5%		
Efficiency		>93%		
Overload Capacity		105-110% for 10 Minutes, 111-130% for 1 Minute, >130% Switch to bypass		
Crest Factor		3:1		
Short Circuit Protection		Yes		
Waveform		Pure Sinewave		
Transfer Time		0mS		
BATTERIES				
Battery Model		Variable		
DC Voltage		240 VDC		
Battery Quantity		20		
Backup Time @ Half Load	22	N/A	12	N/A
Backup Time @ Full Load	9	N/A	5	N/A
Charge Current		Configurable up to 10A		
Recharge time		Depends on External Capacity		
EXTERNAL BATTERY PACKS				
Battery Pack Model		EE2000U		
Maximum Number of External Packs		3 Packs		
ENVIRONMENT				
Temperature		0 °C - +40 °C		
Relative Humidity		0-90%		
Altitude		<1500m		
Storage Temperature		-25 °C - +55 °C		
Noise Level		<55dB		
Heat Loss		0.74kW		1.23kW

MODEL
PARALLEL OPTIONS
Parallel Capability
Max. Number Parallel UPS
COMMUNICATIONS
Standard
SNMP Card
Alarm Card
WEIGHTS & DIMENSIONS
Weight (kg)
Dimensions (H x W x D)
STANDARD ACCESSORIES
Manuals
Software
Data Cables
OTHER
Standard Warranty Period
Recommended EMBS

E206U	E206EU	E2010U	E2010EU
Yes			
4			
Standard RS232 / USB / Parallel Port			
E-SNMP/2 (Optional)			
E-RELAY/2 (Optional)			
71kg	17kg	72kg	18kg
720 x 191 x 460mm			
User Manual			
Only with SNMP Card			
RS232 & USB			
3 Years for Electronics / 1 Year for Batteries			
EMBS63/11/2			

EE2000U Series Battery Pack 6-10kVA

MODEL	EE2000U
Compatible UPS Model	E206U / E206EU / E2010U / E2010EU
BATTERY	
Battery Type	12V Valve Regulated Lead Acid (VRLA) maintenance free
Battery Life	10 Year design life at 20°C
Battery Capacity	7Ah
Maximum number of packs	3
Number of battery strings per pack	2
Nominal voltage	240V
Battery Charger	
Protection	Circuit breaker
DC charge voltage	272.4V
DC charge current	Supplied from UPS
recharge time	Dependent on number of battery Packs
Environment	
Operating temperature	0 °C - +40 °C
Relative humidity	0-90% (non-condensing)
Altitude	1500m maximum
Storage temperature	0 °C - +40 °C
WEIGHTS & DIMENSIONS	
Weight (kg)	143kg
Dimensions (H x W x D)	616 x 250 x 619mm

Pack(QTY) UPS	Autonomy Full Load (Minutes)			Autonomy Half Load (Minutes)		
	1	2	3	1	2	3
E206U	35	64	95	80	145	216
E206EU	22	49	80	49	112	180
E2010U	19	35	52	43	80	118
E2010EU	12	27	44	27	61	99



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- Industry-specific solutions including WIMES specified and PADS Approved UPS
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Get in touch with our team today to discuss your requirements.

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