



New generation E800 series Uninterruptible Power Supplies from Dale Power Solutions

True sine wave, on-line double conversion technology with full DSP control
Available in a wide range of outputs from 10 to 600kVA with parallel capability
Available with standard or customised battery solutions.

Features

- Cutting edge technology, high frequency double conversion on-line UPS
- Fully digitised microprocessor control
- Parallel capacity or redundancy (maximum 16 units)
- Wide input voltage and frequency range
- Dual input as standard on 80kVA models and above
- Open architecture design provides full access for servicing
- Intelligent battery charge management
- RS232/RS485 communication with monitoring software
- Short circuit and overload protection
- Over temperature and over humidity protection
- EMI and RFI noise filtering
- Line interactive ECO mode
- Large user friendly LCD interface
- Cold start and programmable auto re-start functions
- Fan speed auto control with load variation
- Built-in static and maintenance bypass switches
- Back feed protection between UPS output and mains supply
- Emergency Power Off function
- Low THD and high input power factor for diverse generator compatibility
- Soft start with programmable power walk-in
- Optional temperature compensated battery charging
- Optional SNMP, relay card and remote monitoring panel

Dale Power Solutions Ltd reserves the right to make changes in specification without notice or liability. All information is subject to Dale Power Solutions own data & is considered accurate at time of publishing.

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Specifications

Input	Voltage Range	187V AC to 260V AC Line-Neutral
	Phase	3 Phase 4 Wire & Earth
	Frequency	50 / 60Hz ±10% (user adjustable)
	Power Factor	> 0.99
Output	Voltage	220 / 230V AC Line-Neutral (user adjustable)
	Phase	3 Phase 4 Wire & Earth
	Frequency range	50 / 60Hz (user adjustable)
	THD (Linear Load)	< 2%
	THD (Non-Linear Load)	< 3%
	Efficiency	On-line mode: 93% ECO mode: 98%
	Overload Capacity	125% load for 10 min, 150% load for 1 min
	Crest Factor	3:1
	Power Factor	0.8
	Short Circuit Protection	IGBT controlled electronic protection
	Waveform	True sine wave
Transfer Time	0ms (on-line mode)	
Battery	External	64x 12V mono blocks (768V DC Nominal Centre Tapped)
Environment	Altitude	1000m at rated power
	Operate Temperature	0°C to 40°C
	Relative Humidity	0 - 95% (non-condensing)
Communication		Standard: RS232 / RS485 Optional: SNMP and relay cards, remote monitoring panel
LCD Screen Display		Measurements: Input/output voltage/freq, battery voltage, load power and kVA, UPS temperature Operation mode: On-line, Battery, Bypass
Operation mode		Double conversion on-line or ECO line interactive (user selectable)
LED Indication		Mimic panel overview of UPS operation and alarms
Noise Level		<60dBA
Safety & EMC		CE marked and compliant with EN62040-1-1, IEC60950 & EN62040-2 standards
Standard Accessories		Control software, data lead & user manual

Model Specifications

Model Number	Output (kVA)	Ratings (kW)	Full Load Efficiency	Battery DC Voltage	Audible Noise (dBA)	Physical	
						Nett Weight (kg)	Dims (mm) (H x W x D)
E83310	10	8	93%	768V	<60dBA	115	1190 x 460 x 805
E83315	15	12	93%	768V	<60dBA	120	1190 x 460 x 805
E83320	20	16	93%	768V	<60dBA	125	1190 x 460 x 805
E83330	30	24	93%	768V	<60dBA	150	1190 x 460 x 805
E83340	40	32	93%	768V	<60dBA	160	1190 x 460 x 805
E83360	60	48	93%	768V	<60dBA	180	1190 x 460 x 805
E83380	80	64	93%	768V	<60dBA	300	1660 x 880 x 770
E833100	100	80	93%	768V	<60dBA	320	1660 x 880 x 770
E833120	120	96	93%	768V	<60dBA	350	1660 x 880 x 770
E833160	160	128	93%	768V	<60dBA	550	1905 x 1055 x 800
E833200	200	160	93%	768V	<60dBA	575	1905 x 1055 x 800
E833250	250	200	93%	768V	<60dBA	700	1900 x 1400 x 800
E833300	300	240	93%	768V	<60dBA	750	1900 x 1400 x 800
E833400	400	320	93%	768V	<60dBA	1250	1900 x 1250 x 805
E833500	500	400	93%	768V	<60dBA	1600	1900 x 1750 x 850
E833600	600	480	93%	768V	<60dBA	1800	1900 x 1750 x 850



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