

## E300 Series UPS Three Phase 10-250kVA 0.8PF

### 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 range from single or dual source
- 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
- Optional galvanic isolation transformer



### Specifications

<b>Input</b>	Voltage range	176V AC to 264V AC Line-Neutral
	Phase	3 Phase 4 Wire & Earth
	Frequency	50 / 60Hz +10% (user adjustable)
	Power Factor	> 0.99
<b>Output</b>	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 Capability	125% load for 10 min, 150% load for 1 min
	Crest Factor	03:01
	Power Factor	0.8
	Short Circuit Protection	IGBT controlled electronic protection
	Waveform	True sine wave
Transfer Time	0ms (on-line mode)	
<b>Battery</b>	External	50x 12V mono blocks (600V DC Nominal)
<b>Environment</b>	Altitude	1000m at rated power
	Operate Temperature	0°C to 40°C
	Relative Humidity	0 - 95% (non-condensing)
<b>Communication</b>		Standard: RS232 / RS485 Optional: SNMP and relay cards, remote monitoring panel
<b>LCD Screen Display</b>		Measurements: Input/output voltage/freq, battery voltage, load power and kVA, UPS temperature Operation mode: On-line, Battery, Bypass
<b>Operation mode</b>		Double conversion on-line or ECO line interactive (user selectable)
<b>LED Indication</b>		Mimic panel overview of UPS operation and alarms
<b>Noise Level</b>		<60dBA
<b>Safety &amp; EMC</b>		CE marked and tested to EN62040-1-1, IEC60950 & EN62040-2 Class A
<b>Standard Accessories</b>		Control software, data lead & user manual

### Model Specifications

Model	E310	E315	E320	E330	E340	E360	E380	E3100	E3120	E3160	E3200	E3250	
Output (kVA)	10	15	20	30	40	60	80	100	120	160	200	250	
Rating (kW)	8	12	16	24	32	48	64	80	96	128	160	200	
Full load Efficiency	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	
Battery Voltage	336/456/480	336/456/480	456/480	456/480	456	600	600	600	600	600	600	600	
Weight	115	115	125	150	156	165	320	360	385	550	575	700	
Dims (W x D x H mm)	460 x 805 x 1190						882 x 770 x 1660			1055 x 800 x 1905		1500 x 800 x 1905	

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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