

E3 Series UPS 30-800 kVA | Three phase

- Three Level Rectifier & Inverter
- Digital Signal Processing (DSP) Technology

✓ NEW TECHNOLOGY

- Three level topology
- High and stable online efficiency (up to 95%)
- High input PF (≥ 0.99)
- Low input current THD ($\leq 4\%$)
- High output PF (0.9)
- Low output voltage THD ($\leq 2\%$)
- Short response time ($< 2\text{ms}$)
- High input and output performance

✓ RELIABLE

- Parallel option up to 6 units
- Intelligent redundancy management (n, n+1 and n+x)
- Variable input low voltage depending on loading percentage (up to -36%)
- Programmable high overload capacity
- Short circuit protection
- Local and remote emergency power off
- External bypass (Optional)
- Optimum generator compatibility

✓ USER-FRIENDLY

- Low investment and operating cost
- Short return on investment time
- Reduced weight/volume/footprint
- Higher efficiency with eco-mode (up to 98%)
- Self-loading (regenerative mode)
- Adjustable input / output voltage & selectable frequency
- Extended battery life with intelligent battery management
- Automatic and manual battery test with adjustable period and duration
- Touch screen TFT LCD user interface
- RS232/RS485
- USB Port
- SNMP
- Advance monitoring options
- 1024 real time event log and easy download
- Multi language options
- Remote monitoring and management software
- Programmable dry contacts
- Custom inputs
- Maintenance bypass
- Easy installation and maintenance
- 10 years spare part warranty
- 7/24 technical support and customer service

✓ STANDARDS

- EN 62040-1 (Safety)
- EN 62040-2 (EMC)
- CE, ISO 9001:2008, ISO 14001, GOST



E3 SERIES UPS TECHNICAL SPECIFICATIONS

		30	40	60	80	100	120	160	200	250	300	400	500	600	800	
POWER	Sn (kVA)	30	40	60	80	100	120	160	200	250	300	400	500	600	800	
	Pn (KW)	27	36	54	72	90	108	144	180	225	270	360	450	540	720	
INPUT	Voltage	380 / 400 / 415 Vac 3ph + N														
	Voltage Tolerances	± 15% (without downgrading), -36% (depening on load percentage)														
	Frequency	50 / 60 Hz														
	Frequency Tolerances	± 10%														
	Power Factor	≥ 0,99														
	THD _i	≤ 4%														
BYPASS	Dual Input	Optional														
	Voltage	380 / 400 / 415 Vac 3ph + N														
	Voltage Tolerances	± 10% (adjustable)														
	Frequency	50 / 60 Hz														
	Frequency Tolerances	± %4 (adjustable up to ± 10%)														
	Maintenance Bypass	Standard														
OUTPUT	Voltage	380 / 400 / 415 Vac 3ph + N														
	Voltage Tolerances	± 1% (static load), dynamic load in accordance with VFI-SS-11														
	Frequency	50 / 60 Hz (selectable)														
	Frequency Tolerances	± 0.1% (self-synchronize), ± 1% (mains-synchronize, adjustable up to ± 5%)														
	Power Factor	0.9														
	THD _u	≤ 2% (linear load), ≤ 5% (non-linear load)														
OVERLOAD CAPACITY	≤ 110%	up to 60 min.														
	≤ 130%	up to 10 min.														
	≤ 150%	up to 1 min.														
EFFICIENCY	Online	up to 95%														
	Eco-mode	up to 98%														
GENERAL	Technology	Three level rectifier & inverter														
	Control	DSP, SPWM														
	Paralleling Units	Up to 6														
	Communication	SNMP, USB, RS232, RS485, MODBUS														
	Remote Monitoring	Remote panel(Optional)														
	Dry Contacts	Programmable 3 dry contacts														
	Custom Inputs	Generator, Battery temperature sensor, Remote EPO, Remote Start/Stop														
	Touch Screen TFT LCD User Interface	Standard														
ENVIRONMENT	Operating Temperature	from 0 °C up to +40 °C (from 20 °C to 25 °C for maximum battery life)														
	Relative Humidity	0% - 85% (without condensation)														
	Maximum Altitude	≤ 2000 m														
	Noise level dB(A)	< 60	< 65	< 70	< 75											
UPS CABINET	Dimensions (mm)	Width	480	480	705	780	2200									
		Depth	895	1000	1060	1260	810									
		Height	1225	1225	1850	1850	2030									
	Weight (kg)	170	185	220	250	310	360	600	640	700	750	1000	1380	1600	1700	
	Degree of Protection	IP20														
Colour	RAL7012															
BATTERY	Batery Quantity	60 / 64														
	Internal Battery Quantity (max.)	128														
	Internal Battery Capacity (Ah)	7-9														
STANDARDS	Safety	EN 62040-1														
	EMC	EN 62040-2														
UPS LIFETIME		10 YEARS														