



Uninterruptible Power Supply Systems

- True on-line ● Double conversion technology
- DSP controlled ● IGBT rectifier
- IGBT rectifier ● DSP based numerical control
- High input power factor 0.99
- Low input current harmonic distortion <4%
- Wide input voltage range
- Generator friendly operation
- Evolution and redundancy guaranteed by parallel systems
- Intelligent battery charging system
- Synchronization capability with external sources
- Static and manual bypass
- Galvanic isolation transformer and special voltage application options
- Communication with computers and network systems with SNMP availability
- Expandable battery blocks
- Low installation and operating costs



Specification

MODEL	EO310D	EO315D	EO320D	EO330D	EO340D	EO360D	EO380D
Output Power (KVA)	10	15	20	30	40	60	80
Nominal Active Power (kW)	8	12	16	24	32	48	64
Power Factor	0.8						
INPUT							
Number of Phases	3Ph+N+PE						
Nominal Voltage	380V/400V/415V						
Voltage Range (%100 load)	(-15)% (+27)% (Ph-N)						
Voltage Range (%64 load)	(-45)% (+27)% (Ph-N)						
Voltage Range (%42 load)	(-64)% (+27)% (Ph-N)						
Nominal Frequency	50Hz or 60Hz						
Frequency Range for Online Operation	±10%						
Input Current THD	≤4%						
Input Power Factor	0.99						
OUTPUT							
Number of Phases	3Ph+N+PE						
Voltage	380V/400V/415V						
Static Voltage Regulation at %100 Linear Load (online and battery mode)	<1%						
Voltage THD at Rated Linear Load	<3%						
Crest Factor	3:1						
Frequency	50Hz or 60Hz						
Free Running Freq. (Hz)	±0.01%						
Overload	125% for 10 minutes 150% for 1 minute						
Efficiency	92%						
STATIC BYPASS LINE							
Number of Phases	3Ph+N+PE						
Voltage Range for Bypass Operation	220V/230V (Ph-N) ±10%						
Frequency Range for Bypass Operation	47Hz-53Hz (configurable)						
BATTERY							
Type	Maintenance free						
Battery Quantity (pcs)	62 (2*31)						
Battery Protection	Deep discharge protection with auto cut off						
Battery Test	Standard (automatic and manual)						
COMMUNICATION							
Interface Communication Ports	Rs232 & Rs422						
Dry Contact Signals	AC failure, battery under voltage, bypass operation, output failure						
Others	EPO, generator interface						
ENVIRONMENTAL CONDITIONS							
Storage Temperature Range	-25°C to +55°C (15 to 40 recommended for longer battery life time)						
Operating Temperature Range	0°C to 40°C (20 to 25 recommended for longer battery life time)						
Relative Humidity Range	0-95% (non-condensing)						
Maximum Altitude without Derating	1000m						
Protection Level	IP20						
Standards	EN50091-1-1, EN50091-2, EN50091-3, EN55022, EN62040-1-1, EN62040-2, EN62040-3 (VFI-SS-111)						
Dimensions W x D x H (cm)	40 x 78 x 107		52 x 90 x 130			67 x 73 x 153	
Weight (kg)	102	110	240	242	260		
Product Certification	CE						
OPTIONS	Parallel kit, SNMP internal slot card or external adapter, split by-pass, remote monitoring panel, isolation transformer, battery cabinet, Net service						

We pursue a policy of continuous development and product improvement. Specifications subject to change without notice.

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