

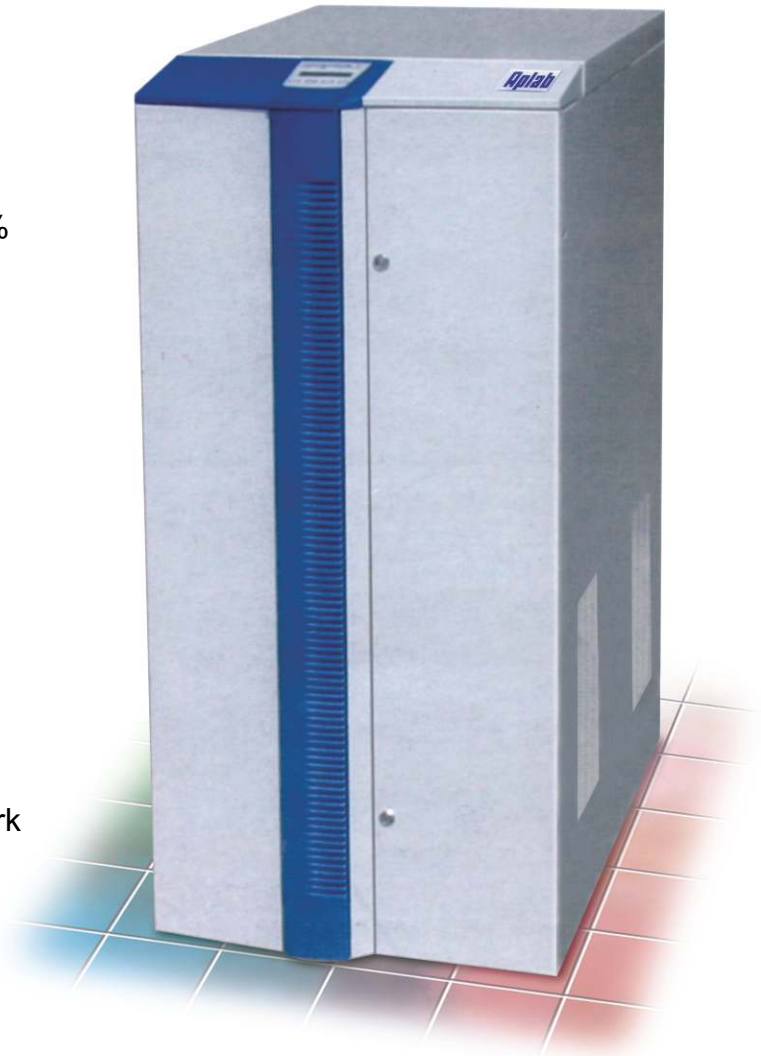


Uninterruptible Power Supply Systems

● True On-Line ● Double Conversion Technology ● DSP Controlled ● IGBT Rectifier

■ 3 phase in/3phase out

- IGBT Rectifier
- DSP based numerical control
- High Input Power Factor ≥ 0.99
- Low Input Current Harmonic Distortion $\leq 4\%$
- 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



Specifications

MODEL	EO310D	EO315D	EO320D	EO330D	EO340D	EO360D	EO380D	EP100D	EP120D	EP160D	E200D
Output Power (kva)	10	15	20	30	40	60	80	100	120	160	200
Nominal Active Power (kW)	8	12	16	24	32	48	64	80	96	128	160
Power Factor	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	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%	±10%	±10%	±10%	±10%	±10%	±10%	±10%	±10%	±10%	±10%
Input Current THD	≤4%	≤4%	≤4%	≤4%	≤4%	≤4%	≤4%	≤4%	≤4%	≤4%	≤4%
Input Power Factor	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
OUTPUT											
Number of Phases	3Ph+N+PE										
Voltage	380V/400V/415V										
Static Voltage Regulation at 100% Linear Load (Online & Battery Mode)	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%
Voltage THD at Rated Linear Load	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%
Crest Factor	3:1	3:1	3:1	3:1	3:1	3:1	3:1	3:1	3:1	3:1	3:1
Frequency	50Hz or 60Hz										
Free Running Frequency	± 0.01%	± 0.01%	± 0.01%	± 0.01%	± 0.01%	± 0.01%	± 0.01%	± 0.01%	± 0.01%	± 0.01%	± 0.01%
Overload	125% for 10 minutes, 150% for 1 minute										
Efficiency	>92%	>92%	>92%	>92%	>92%	>92%	>92%	>92%	>92%	>92%	>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)	62 (2*31)	62 (2*31)	62 (2*31)	62 (2*31)	62 (2*31)	62 (2*31)	62 (2*31)	62 (2*31)	62 (2*31)	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°C to 40°C recommended for longer battery life time)										
Operating Temperature Range	0°C to 40°C (20°C to 25°C recommended for longer battery life time)										
Relative Humidity Range	0-95% (non-condensing)										
Maximum Altitude without Derating	1000m	1000m	1000m	1000m	1000m	1000m	1000m	1000m	1000m	1000m	1000m
Protection Level	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Standards	EN50091-1, EN50091-2, EN50091-3, EN55022, EN62040-1-1, EN62040-2, EN62040-3 (VFI-SS-111)										
Dimensions W x D x H (cm)	40x78x107										
Weight (kg)	102	110	110	110	110	110	110	110	110	110	110
Product Certification	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE
OPTIONS	Parallel kit, SNMP internal slot card or external adapter, split-by-pass, remote monitoring panel, isolation transformer, battery cabinet, netservice										

We pursue a policy of continuous development & product improvement. Specifications & front panel controls, may be subject to change, without notice.



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