



AUTOMATIC VOLTAGE REGULATOR

LYRA POLARIS



LYRA

single-phase
1-15kVA



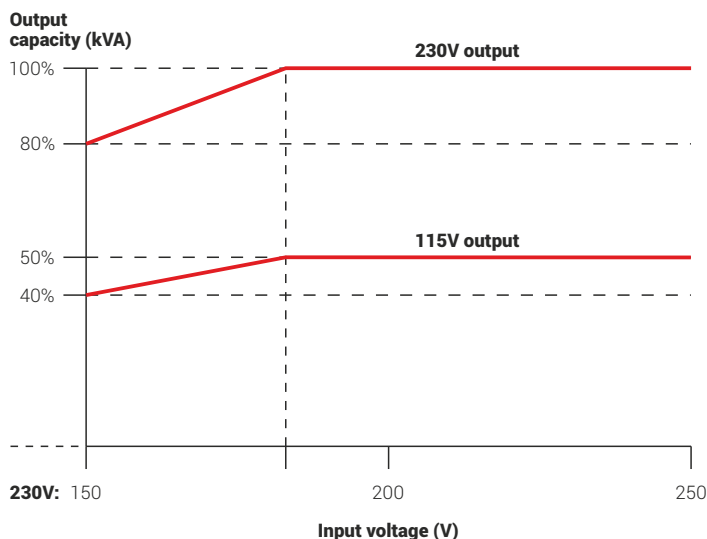
Standard features

Input voltage	150V ÷ 250V
Output voltage	230V - 115V - 115V
Output voltage accuracy	±3%
Frequency	49Hz ÷ 62Hz
Admitted load variation	Refer to GRAPH1 LYRA
Cooling	Natural air ventilation up to 10kVA - Aided with fans from 15kVA
Ambient temperature	-5/+40°C
Harmonic distortion	None introduced
Colour	RAL 7035
Protection degree	IP2X
Installation	Indoor

Type	Rated power	Input voltage range	Maximum current	Output voltage ±3%	Efficiency	Response time*	Dimensions WxDxH	Weight
	[kVA]	[V]	[A]	[V]	[%]	[secs]	[mm]	[kg]
LYRA-1K	1	150-250	4.3	230	98	0.4 ÷ 1	175x225x180	6
LYRA-2K	2	150-250	8.7	230	98	0.4 ÷ 1	210x260x215	9
LYRA-3K	3	150-250	13.0	230	98	0.4 ÷ 1	220x265x300	10
LYRA-5K	5	150-250	21.7	230	98	0.4 ÷ 1	220x265x300	15
LYRA-7.5K	7.5	150-250	32.6	230	98	0.4 ÷ 1	220x390x310	19
LYRA-10K	10	150-250	43.5	230	98	0.4 ÷ 1	220x390x310	22
LYRA-15K	15	150-250	65.2	230	98	1 ÷ 3	310x560x530	52

* Against 10% input voltage deviation.

GRAPH1 LYRA
Output capacity limit chart vs. input voltage level



POLARIS

three-phase
5-100kVA

Standard features

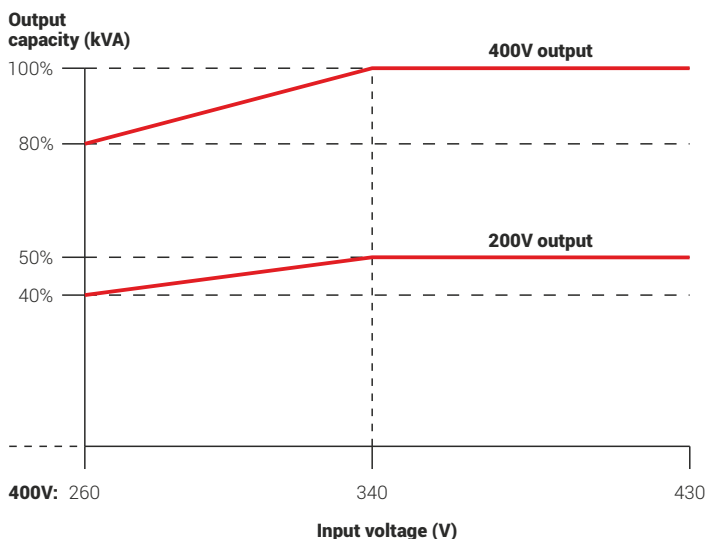
Input voltage	260V ÷ 430V L-L (150V ÷ 248V L-N)
Output voltage	400V - 200V L-L
Output voltage accuracy	±3%
Frequency	49Hz ÷ 62Hz
Admitted load variation	Refer to GRAPH2 POLARIS
Admitted load imbalance	50%
Cooling	Natural air ventilation up to 15kVA - Aided with fans from 20kVA
Ambient temperature	-5/+40°C
Harmonic distortion	None introduced
Colour	RAL 7035
Protection degree	IP2X
Installation	Indoor



Type	Rated power	Input voltage range	Maximum current	Output voltage ±3%	Efficiency	Response time*	Dimensions WxDxH	Weight
	[kVA]	[V]	[A]	[V]	[%]	[secs]	[mm]	[kg]
POLARIS-5K	5	260-430	7.2	400	98	0.4 ÷ 1	275x395x690	33
POLARIS-10K	10	260-430	14.4	400	98	0.4 ÷ 1	365x455x760	41
POLARIS-15K	15	260-430	21.6	400	98	0.4 ÷ 1	365x455x760	48
POLARIS-20K	20	260-430	28.9	400	98	0.4 ÷ 1	385x545x1090	75
POLARIS-30K	30	260-430	43.3	400	98	0.4 ÷ 1	385x545x1090	85
POLARIS-45K	45	260-430	65.0	400	98	1 ÷ 3	470x610x1270	170
POLARIS-60K	60	260-430	86.6	400	98	1 ÷ 3	470x610x1270	182
POLARIS-75K	75	260-430	108.3	400	98	1 ÷ 3	570x780x1270	218
POLARIS-100K	100	260-430	144.3	400	98	1 ÷ 3	570x780x1270	246

* Against 10% input voltage deviation.

GRAPH2 POLARIS
Output capacity limit chart vs. input voltage level



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