ORTEA ahead of time

ORTEA ASIA

Automatic Voltage Regulator

LYRA - Single-phase

Input voltage	150V (130V) ÷ 250V
Output voltage	220V - 110V (100V)
Output voltage accuracy	±3%
Frequency	49Hz ÷ 62Hz
Admitted load variation	Up to 100%
Cooling	Natural ventilation
Ambient temperature	-5/+40°C
Harmonic distortion	None introduced
Colour	RAL 7035
Protection degree	IP2X
Installation	Indoor

Type	Rating [kVA]	Dimensions WxDxH [mm]	Weight [kg]
LYRA-1K	1	175x215x170	6,2
LYRA-2K	2	215x245x205	9,6
LYRA-3K	3	215x250x295	11,0
LYRA-5K	5	215x250x295	14,8
LYRA-7.5K	7.5	215x380x295	20,0
LYRA-10K	10	215x380x295	22,5
LYRA-15K	15	305x510x550	54,0

POLARIS - Three-phase

Input voltage	260V ÷ 430V (150V ÷ 248V)
Output voltage	380V (220V)
Output voltage accuracy	±3%
Frequency	49Hz ÷ 62Hz
Admitted load variation	Up to 100%
Cooling	Aided with fans
Ambient temperature	-5/+40°C
Harmonic distortion	None introduced
Colour	RAL 7035
Protection degree	IP2X
Installation	Indoor

Type	Rating [kVA]	Dimensions WxDxH [mm]	Weight [kg]
POLARIS-5K	5	265x395x675	32
POLARIS-10K	10	355x455x765	44
POLARIS-15K	15	355x455x765	52
POLARIS-20K	20	375x540x1090	78
POLARIS-30K	30	375x540x1090	87
POLARIS-45K	45	460x610x1250	176
POLARIS-60K	60	460x610x1250	188
POLARIS-75K	75	560x780x1250	218
POLARIS-100K	100	560x780x1250	246

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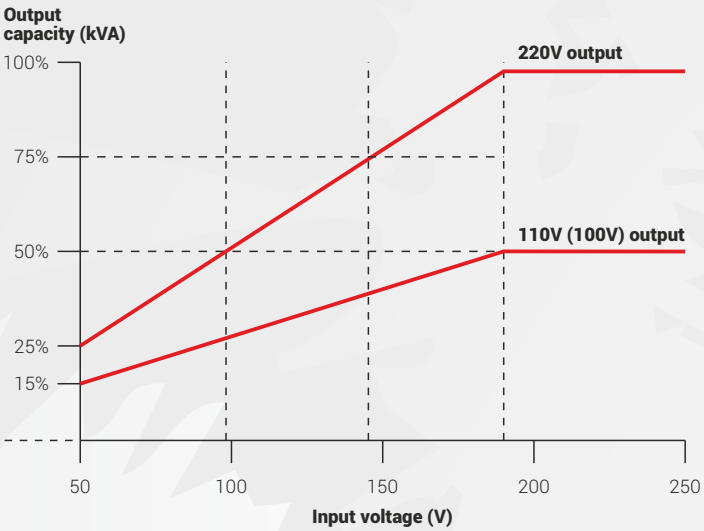
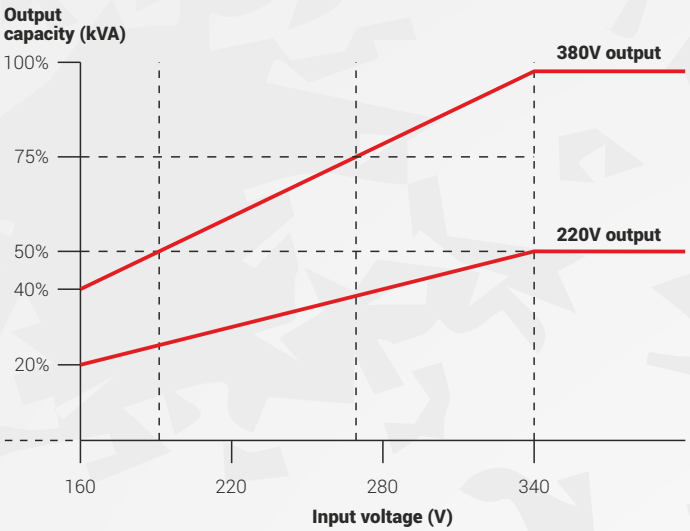
LYRA - Output capacity limit chart vs. input voltage level



POLARIS - Output capacity limit chart vs. input voltage level



INSTRUCTION

Big AVR used for whole family:
Put AVR near the input power line, with suitable position for easy monitor (should not put down on ground, at wet place, very high position or hidden place that you can not observe the status indicator or meter of AVR). If AVR is put on shelf, please ensure the shelf must be strong enough because of.
Wire installation: check carefully input and output side to ensure make right connection. Phase line is connected to upper knobs, neutral line is connected to under knobs. Ground line is connected to ground screw at behind side. Use electricity test pen to check again before using.

Small AVR used for individual device:
Put AVR at suitable place (more than 1m distance far from devices: computers, TV, audio...).
Wire installation: with AVR less than 2kVA capacity, directly use power cord at input side.

Fine adjustment for output voltage:
Normally all AVR were adjusted well for right output voltage under condition of sine-wave and frequency from 49Hz to 62Hz and standard input voltage range. However, in some cases, electricity condition is not good (not sine-wave, frequency is out from range). It will make the voltage at output is not right. To make good this, all AVR includes adjustor under voltmeter with mark of A-VDJ and customers can make fine tune to voltage at output as desired.

How to adjust:
Turn the adjustor in clockwise direction to increase output voltage and anticlockwise direction to decrease output voltage.

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