



# PowerMaster – 100 & 300 AVR Series

*Ranging from 2kVA to 500kVA*



### Features:

- High efficiency, each model above 95%
- Electro-mechanic high-low voltage protection
- Fast response time
- Overload power protection
- Short circuit protection
- Sudden power interruption delay protection
- Bypass switch optional
- Voltage meter and LED control panel
- Isolation transformer reduces noise
- Automatic protection device allowing the user to set the range of output voltage to protect the load of the voltage regulator

Standard Specifications	
Input Voltage Range	15%
Efficiency	>95%
Regulation Voltage Rate	Within input voltage range stable within $\pm 1\% \sim 2\%$
Output Voltage Adjustable Range	Larger than $\pm 5\%$
Frequency	60Hz / 50Hz $\pm 5\%$
Overload Capacity	When loaded 150% more than 10sec. When loaded 200% more than 2sec.
Temperature	Applicable temperature 0 °C ~ 45 °C
Humidity	Applicable humidity 0 ~ 95%
Power Factor	0.80 ~ 1
Response Time	Speed to regulate voltage less than 0.1 sec.
Wave Distortion	Less than 1%
Protection	<p><b>Single Phase:</b> Provided with overload protection function. Optional accessories: over high voltage and bypass protection function</p> <p><b>Three Phase:</b> Provided with overload, phase lagged, surge, bypass, delay switch etc. Protection and self-setting, over-high and over-low voltage protection. Phase unbalanced to 30% may amend balance within 2%.</p>



## PowerMaster – 100 & 300 AVR Series

Model	Power - kVA	Phases & Voltages	Dimensions W x D x H (mm)	Weight kgs
<b>PowerMaster 100 Series – Single Phase Input &amp; Output (without ISO. TX)</b>				
102	2	1ph / 1ph - 230V 50Hz	205 x 370 x 215	17
103	3	1ph / 1ph - 230V 50Hz	205 x 370 x 215	19
105	5	1ph / 1ph - 230V 50Hz	266 x 440 x 215	25
110	10	1ph / 1ph - 230V 50Hz	300 x 510 x 480	48
115	15	1ph / 1ph - 230V 50Hz	300 x 510 x 480	55
120	20	1ph / 1ph - 230V 50Hz	300 x 510 x 480	68
130	30	1ph / 1ph - 230V 50Hz	300 x 510 x 480	83
<b>PowerMaster 300 Series – Three Phase Input &amp; Output (without ISO. TX)</b>				
305	5	3ph / 3ph - 400V 50Hz	360 x 540 x 570	62
310	10	3ph / 3ph - 400V 50Hz	360 x 540 x 570	70
315	15	3ph / 3ph - 400V 50Hz	360 x 540 x 570	76
320	20	3ph / 3ph - 400V 50Hz	360 x 540 x 570	82
330	30	3ph / 3ph - 400V 50Hz	360 x 540 x 570	96
345	45	3ph / 3ph - 400V 50Hz	410 x 790 x 710	126
360	60	3ph / 3ph - 400V 50Hz	410 x 790 x 710	157
375	75	3ph / 3ph - 400V 50Hz	410 x 790 x 710	185
3100	100	3ph / 3ph - 400V 50Hz	530 x 1020 x 830	290
3120	120	3ph / 3ph - 400V 50Hz	530 x 1020 x 830	300
3150	150	3ph / 3ph - 400V 50Hz	520 x 970 x 1100	330
3200	200	3ph / 3ph - 400V 50Hz	600 x 1150 x 1320	520
3250	250	3ph / 3ph - 400V 50Hz	600 x 1200 x 1320	630
3300	300	3ph / 3ph - 400V 50Hz	1200 x 800 x 1400	890
3350	350	3ph / 3ph - 400V 50Hz	1200 x 800 x 1400	950
3400	400	3ph / 3ph - 400V 50Hz	1200 x 800 x 1400	990
3450	450	3ph / 3ph - 400V 50Hz	1200 x 800 x 1400	1030
3500	500	3ph / 3ph - 400V 50Hz	1200 x 800 x 1680	1330

Product specification are subject to change without further notice. Issue 3



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