
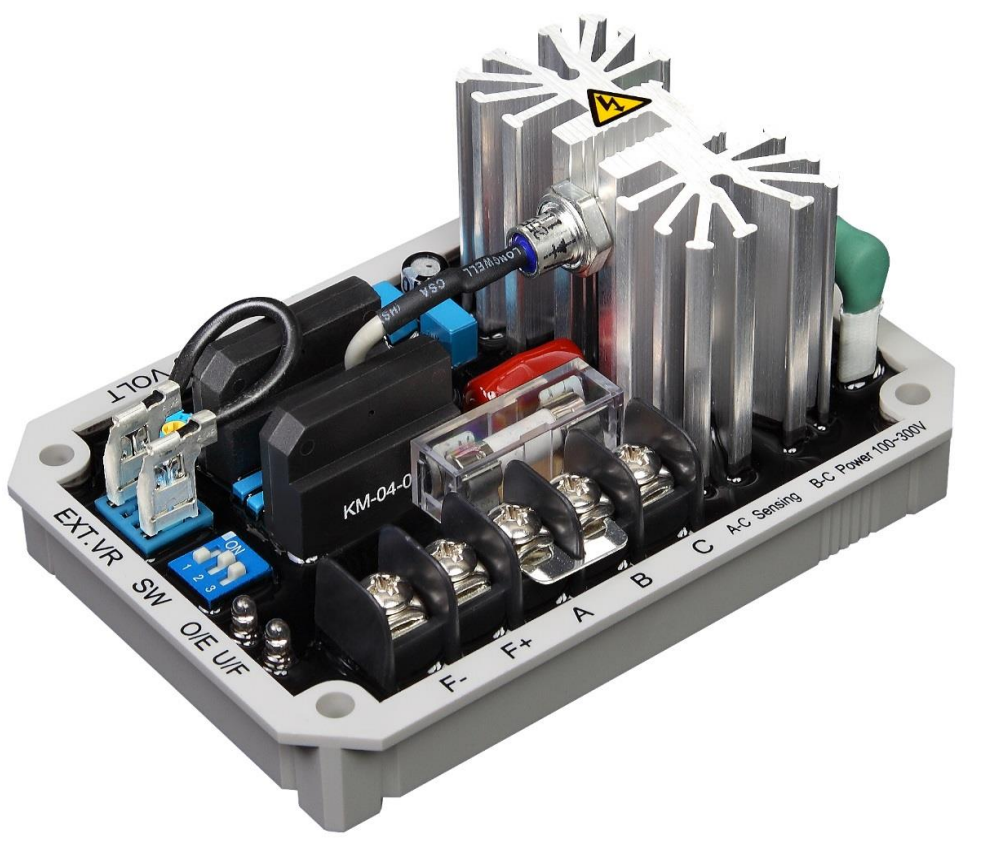
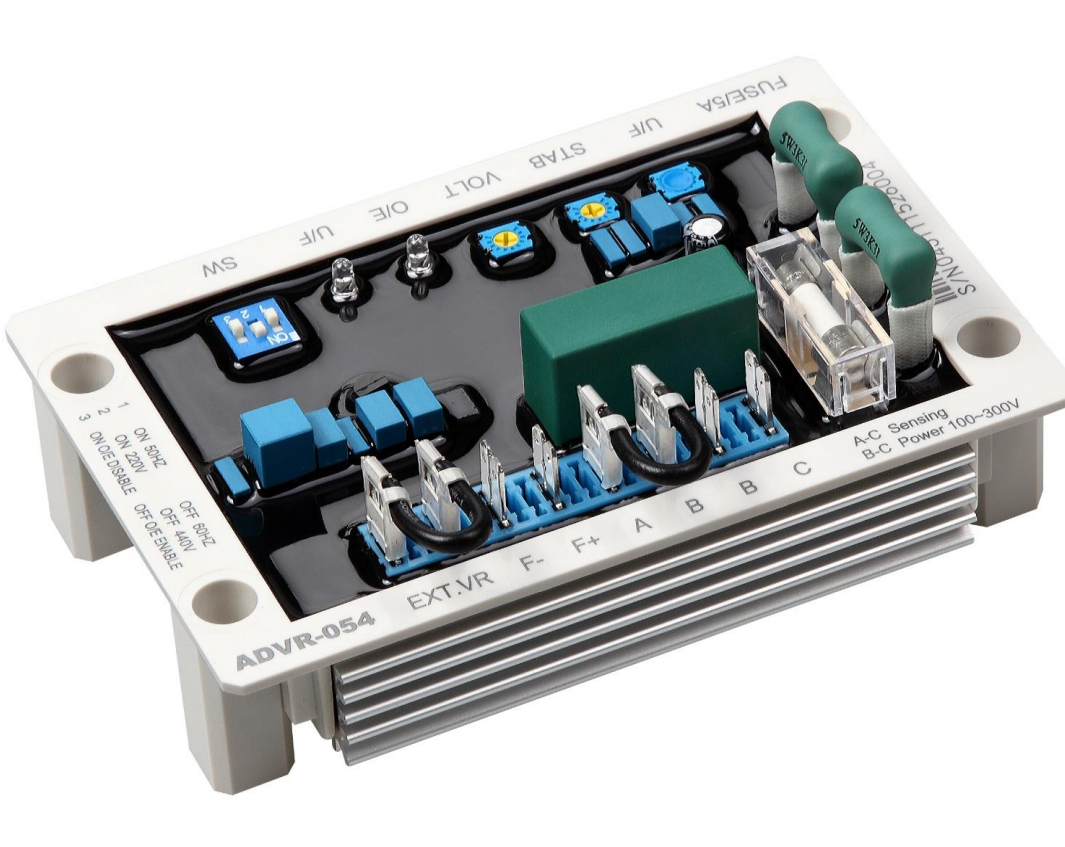
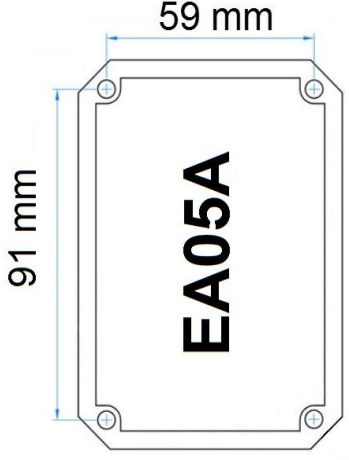
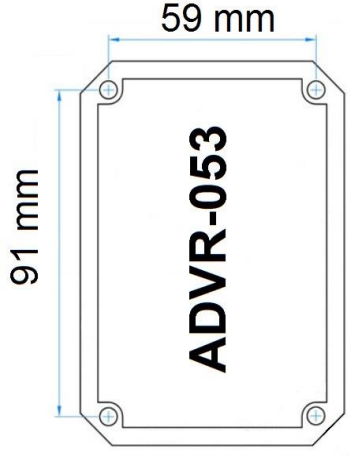
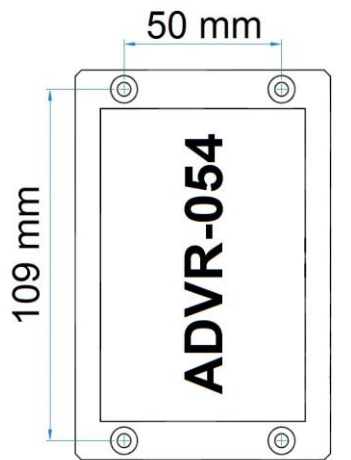


## Comparison Table

AVR model	EA05A (Discontinued)	ADVR-053 (Discontinued)	ADVR-054
<b>Appearance</b>			
<b>Features</b>	- Under frequency protection	- Over Excitation Protection - Under frequency protection	- Over Excitation Protection - Under frequency protection - Innovative heat sink. High cooling efficiency
<b>Sensing Input</b>	<b>Voltage</b> 170 to 520 Vac, 1 phase 2 wire, DIP switch selectable <b>Frequency</b> 50 / 60 Hz, DIP Switch Settings	<b>Voltage</b> 170 to 520 Vac, 1 phase 2 wire, DIP switch selectable <b>Frequency</b> 50 / 60 Hz, DIP Switch Settings	<b>Voltage</b> 170 to 520 Vac, 1 Phase 2 Wire, DIP Switch Settings <b>Frequency</b> 50 / 60 Hz, DIP Switch Settings
<b>Power Input</b>	100 to 300 Vac, 1 Phase 2 Wire	100 to 300 Vac, 1 Phase 2 Wire	100 to 300 Vac, 1 Phase 2 Wire
<b>Output</b>	<b>Voltage</b> Max. 90Vdc @ 240Vac Input <b>Current</b> 5A (Continuous) 7A for 10 Sec. (Intermittent) <b>Resistance</b> Min. 15 ohms Max. 100 ohms	<b>Voltage</b> Max. 90Vdc @ 240Vac Input <b>Current</b> 5A (Continuous) 7A for 10 Sec. (Intermittent) <b>Resistance</b> Min. 15 ohms Max. 100 ohms	<b>Voltage</b> Max. 90Vdc @ 240Vac Input <b>Current</b> 5A (Continuous) 7A for 10 Sec. (Intermittent) <b>Resistance</b> Min. 15 ohms Max. 100 ohms
<b>Voltage Regulation</b>	< +/- 0.5% (with 4% Engine Governing)	< +/- 0.5% (with 4% Engine Governing)	< +/- 0.5% (with 4% Engine Governing)
<b>Voltage Build-up</b>	Residual Voltage at AVR Terminal > 5 Vac 25 Hz	Residual Voltage at AVR Terminal > 5 Vac 25 Hz	Residual Voltage at AVR Terminal > 5 Vac 25 Hz
<b>Ext. Voltage Adjustment</b>	7% with 1K ohm 1 watt trimmer	7% with 1K ohm 1 watt trimmer	Max. +/- 3.5% @ 1K ohm 1 watt potentiometer
<b>Soft Start Ramp Time</b>	3 sec. +/- 10%	3 sec. +/- 10%	3 sec. +/- 10%
<b>Static Power Dissipation</b>	Max. 8 Watt	Max. 8 Watt	Max. 8 Watt
<b>Thermal Drift</b>	< 0.03% Per °C change in AVR ambient	< 0.03% Per °C change in AVR ambient	< 0.03% Per °C change in AVR ambient
<b>Over Excitation Protection</b>	N/A	78 Vdc +/- 5% @ 220Vac 5sec	78 Vdc +/- 6% @ 220 Vac 5sec
<b>Under Frequency Protection</b>	45Hz @ 50Hz & 55Hz @ 60Hz (Factory Pre-set, Adjustable)	45Hz @ 50Hz & 55Hz @ 60Hz (Factory Pre-set, Adjustable)	45Hz @ 50Hz & 55Hz @ 60Hz (Factory Pre-set, Adjustable)
<b>Environment</b>	<b>Operating Temperature</b> -40 to +70°C <b>Storage Temperature</b> -40 to +85°C <b>Relative Humidity</b> Maximum 95% <b>Vibration</b> 3 Gs @ 100 - 2K Hz.	<b>Operating Temperature</b> -40 to +70°C <b>Storage Temperature</b> -40 to +85°C <b>Relative Humidity</b> Maximum 95% <b>Vibration</b> 3 Gs @ 100 - 2K Hz.	<b>Operating Temperature</b> -40 to +70°C <b>Storage Temperature</b> -40 to +85°C <b>Relative Humidity</b> Maximum 95% <b>Vibration</b> 5 Gs @ 60 Hz.
<b>Terminal</b>	Terminal screw	Terminal screw	Fast-On terminals
<b>Adjustments</b>	<b>VOLT</b> Voltage Adjustment <b>STAB</b> Stability Adjustment <b>U/F</b> Under Frequency Protection Knee Point Setting	<b>VOLT</b> Voltage Adjustment <b>STAB</b> Stability Adjustment <b>U/F</b> Under Frequency Protection Knee Point Setting	<b>VOLT</b> Voltage Adjustment <b>STAB</b> Stability Adjustment <b>U/F</b> Under Frequency Protection Knee Point Setting
<b>LED Indicators</b>	<b>O/E LED</b> N/A <b>U/F LED</b> N/A	<b>O/E LED</b> Over Excitation LED <b>U/F LED</b> Under Frequency Protection status	<b>O/E LED</b> Over Excitation LED <b>U/F LED</b> Under Frequency Protection status
<b>Dimension</b>	107.0(L) x 75.0(W) x 48.5(H) mm 4.21 (L) x 2.95 (W) x 1.91 (H) inch	107.0(L) x 75.0(W) x 48.5(H) mm 4.21 (L) x 2.95 (W) x 1.91 (H) inch	121.0(L) x 81.0(W) x 44.5(H) mm 4.76 (L) x 3.19 (W) x 1.75 (H) inch
<b>Fixing Orifice specification</b>			
<b>Weight</b>	183g ± 2%	220g ± 2%	270g ± 2%