

Drive	Input Voltage (VAC)	Output Voltage Range (VDC)	Max. Armature Current	HP Rating @ 90 VDC Output	HP Rating @ 180 VDC Output	Enclosure	Reversing	Isolation	Field Supply (VDC) ****	UL Listed 	CSA 	CE TUV 
RG61U	115 / 230	0-90 / 0-180	1.5	1/20 - 1/8	1/10 - 1/4	CHASSIS	YES	-	-	YES	-	-
RG61U-PCM	115 / 230	0-90 / 0-180	1.5	1/20 - 1/8	1/10 - 1/4	CHASSIS	YES	0 to ±10 VDC 4-20 mA	-	YES	-	-
RG60U	115 / 230	0-90 / 0-180	10*	1/8 - 1	1/4 - 2	CHASSIS	YES	-	-	YES	-	-
RG60U-PCM	115 / 230	0-90 / 0-180	10*	1/8 - 1	1/4 - 2	CHASSIS	YES	0 to ±10 VDC 4-20 mA	-	YES	-	-

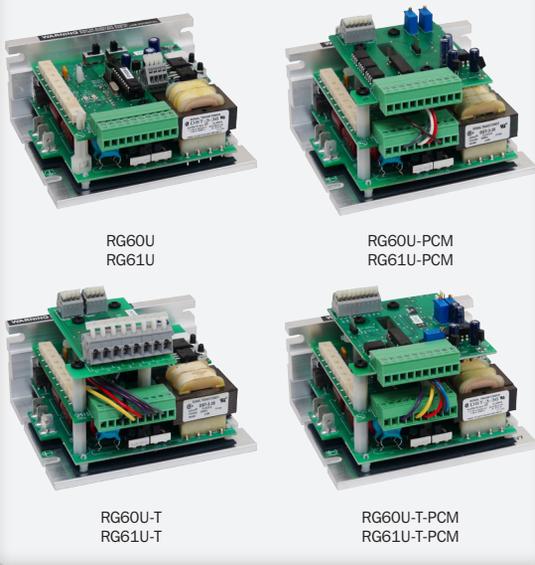
* Heat sink number 223-0159 must be used when the output is above 5 amps.
 **** A field supply is not available on the RG60 series. Minarik Drives recommends using the RG500 series (Pg 16).

Minarik Drives' RG60 Series is a compact, full-featured regen drive. Standard features include a choice of tachogenerator or armature feedback, nine trim pots including forward and reverse independent adjustments for acceleration and torque, cage clamp and plug-in terminal blocks for secure and easy connections and current limit LEDs. A unique feature on the RG60U is the ability to choose the enable and inhibit terminals to operate either 'normally open' or 'normally closed'.

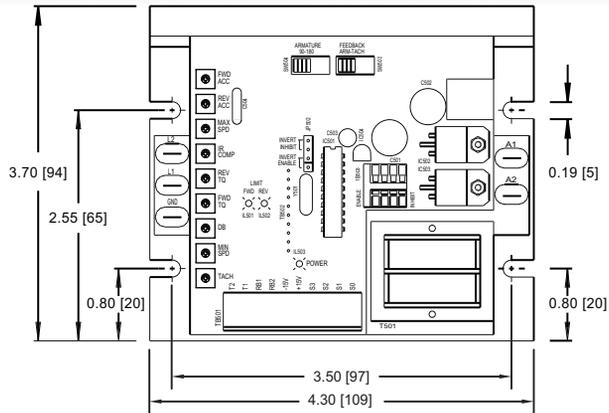
The RG60U has three additional options available. The RG60U-PCM comes with isolation so that any +/- 10 VDC or 4-20 mA reference signal can be used. The RG60U-T comes with the ability to be used in torque or speed control using a remote pot. Torque control is useful in many web tensioning and winder applications. The RG60U-T-PCM combines the functionality of the -T and -PCM options. The -IAD option allows for independent forward accel, forward decel, reverse accel, and reverse decel.

Robust SCR technology with regenerative capability makes the RG60U especially ideal for high duty cycle and reversing applications.

See page 52 for an in-depth comparison of the different 4Q drives.



RG6xU DIMENSIONS



Height: 1.96 [50]
 All dimensions in inches [millimeters]
 Dimensions of drives not shown above can be found on page 58.
 Wiring diagrams of chassis drives can be found on page 67.

FEATURES

- **MM footprint:** Compact industry standard footprint.
- **4Q reversing:** Regenerative / 4 quadrant drives have the ability to perform quick and contactorless reversing on-the-fly.
- **Speed range, regulation, & form factor:** 2% of base speed regulation with a 50:1 speed range. 0.5% of base speed regulation over 60:1 speed range with the addition of tachogenerator feedback. 1.37 form factor at maximum rated voltage.
- **User adjustable calibration pots:** Minimum Speed, Maximum Speed, Forward Current Limit, Reverse Current Limit, IR Compensation, Forward Acceleration, Reverse Acceleration, Deadband and Tachogenerator Feedback.
- **Diagnostic LEDs:** Power, forward current limit, reverse current limit.
- **Stopping modes:** Inhibit (N.O. or N.C.) to immediately brake to a stop. RB1 to RB2 (N.O.) to decelerate to a stop. Enable (N.O. or N.C.) to coast to a stop.
- **Configurable enable and inhibit:** Can be configured to be either normally open or normally closed.
- **-4S Option:** Allows the customer to use 3 contacts to select from 4 different speeds that are set by trim pots.
- **-IAD Option:** Allows for independent forward acceleration, forward deceleration, reverse acceleration and reverse deceleration.
- **-PCM Option:** Isolation daughter card. Accepts 4-20 mA signals and non-isolated speed reference voltages between -10V and +10V.
- **-T Option:** Speed/torque adder card. Torque or speed control for both forward and reverse directions using a remote pot. Add -T-PCM for use with an analog signal.
- **Accessories:** Heatsink 223-0159, DLC600 digital closed loop controller, and 200-0386A limit switch logic board.
- **RoHS:** All RG60 series models are RoHS compliant.