

Inverter AGS wiring- Converting from a Trace RV3012 inverter to Magnum MSH3012 (or any Magnum inverter with AGS-N)

Trace terminal	Monaco Onan QD Color code	Voltage	Magnum AGS Terminal	Notes
Gen Start 1	White	Ground	#4	1
Gen start 2	Yellow	13.2v with gen off, 15v with gen on	#5	
Gen Run 1	Black/white stripe	0 with gen off, .24v gen on	Not used	2
Gen Run 2	Black	+13.2v Gen run or off	#7	3
Solar Pos +	Red	Aprox 2v on cloudy day	Not used	4
NA	NA	Monitored Batt	#3	5

1. Magnum AGS terminal 6 requires a ground wire with a 5a fuse. Run an inline jumper wire with 5a fuse from AGS terminals 4 to 6.
2. Not sure what this is for?
3. Used for Gen stop
4. Magnum does not monitor the solar input and it is not documented in the Tracer RV3012 manual. (Possibly connect it with a ?fuse to AGS terminal 7? Or front of inverter +12 input).
5. Trace has the AGS internal and does not need monitored +12v input. Run +12v wire with 5a fuse from front of Magnum Inverter battery positive input lug to Magnum AGS terminal 3.

Yellow and white connected starts the generator.

Gray and white connected stops the generator.

Gen Start 1- White- ground. Common, goes to terminals 4 & 6 (needs 5a fuse).

Gen Start 2- Yellow- 13.2v not running, 13.4v running. Goes to terminal 5 on AGS

Gen Run 1- Black/white stripe- .24v running. Unsure.

Gen Run 2- Black- 12v with gen run or stop. Goes to AGS terminal 7.

Add- Gray from Ridgecreek Temp AGS goes to Magnum AGS terminal 2 (Gen run sense).

Add- New Red from inverter +12 battery input to Magnum AGs terminal 3 (Batt voltage, needs 5a fuse)

Add- Jumper wire from AGS pin 4 to pin 6 (Ground).

Magnum AGS terminal 8 not used

Glenn Darby (Magnum Tech) says from his past notes that the Gen Start 2 (Yellow) goes to AGS pin 5. This provides 12v to start the generator when connected to pin 6, which he thinks is Gen Start 1 (black).

I have a gray wire that provides the Gen run signal to AGS pin 2. The gray Gen run signal is on the Ridgecreek Temp AGS.