

April 1, 2012

**ON-ROAD
CONTROLLER COMPARISON**

Description

	CURTIS	Evnetics	Evnetics	NetGain
Manufacturer	1231C-8601	Soliton 1	Soliton Jr.	160/1000
Model No.				
Country of Manufacture	USA	USA	USA	USA
Lead Time to Supplier, weeks	7	1	1	1
Price	\$1,495	\$3,200	\$2,100	\$2,350
Input Device Price	\$90	\$150	\$150	\$150

Performance

Voltage, Range	96-144	8-340V	8-340V	24-160
Max Current, amps	500	1000	600	1000
1 hr rating, amps	225	1000 Water	500 Water	300 Water
Cooling	Air	Air or Water	Air or Water	Water

Features

Programmable	Manual	Yes	Yes	Yes
Acceleration Ramp	Yes	Yes	Yes	Yes
Max Current	Yes	Yes	Yes	Yes
Max Voltage	No	Yes	Yes	Yes
Min Voltage	No	Yes	Yes	Yes
Smooth Starts	Yes	Yes	Yes	Yes
Tachometer Input/ Output	No	Yes	Yes	Coming Soon
Max Battery Current		Yes	Yes	
Max RPM Limiting		Yes	Yes	
Idle		Yes	Yes	
Pre-Charge Management		Yes	Yes	
Internal Main Contactor		Yes	Yes	
Brake Input	No	Yes	Yes	Yes
Reverse Input	No	No	No	Yes
Upgrades through	NA	Ethernet Port	Ethernet Port	CANBus
Diagnostic Error Code	No			Yes
Input Signal	0-5K	0-5V, TPS	0-5V, TPS	TPS
	2 Wire	3 Wire	3 Wire	Hall Effect
Operation	1.5/15KHZ	8/14 KHz	8/14 KHz	15.7kHz

Protection

Weatherproof Enclosure	Yes	Yes	Yes	Water Resistant
Against Wiring Errors	No	Most	Most	Low Voltage
Reverse Polarity		Yes	Yes	Yes
Over Voltage		Yes	Yes	No
Separation of Terminals	No	Yes	Yes	No
Waterproof auto connectors	No	No	No	Yes

Efficiency

Voltage Drop at Max Current		1.5	1.5	1.6
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Physical

Weight	19	32	21	16
Dimensions				
Width, inches	8.6	8	7.75	9
Length, Inches	12.2	19.83	13.75	10
Height, Inches	3.7	5.77	5.05	5

Options

Cooling System	NA	NA	NA	\$300.00
Interface (Display)	NA	NA	NA	\$300.00