



Vann-Guard Features	70-Series	70-CAN Series	80-CAN Series	Benefits
Available Models (Output Amps)	60, 80, 100	60, 80, 100	60, 80, 100	Wide 12V power range. Stackable for 12V loads greater than 100A
Internal Fuse Protection	Yes	Yes	Yes	Will not pass high transient spikes through to vehicle
Reverse Polarity Protection	-30V	-30V	-30V	Installation safety feature
Remote Battery Sensing	No	Yes	Yes	More precise equalization than sensing through battery cables
Peak Efficiency	97%	97%	97%	Increased time-to-run from batteries
Integrated Battery Cable Strain Relief	Yes	Yes	Yes	Eliminates loose connections due to cable movement.
Integrated Connection Post Separation	Yes	Yes	Yes	Installation safety feature
100% Endurance Tested	Yes	Yes	Yes	Every unit is thoroughly tested through the full power range
Ingress Protection Rating (IP)	IP-56	IP-56	IP-56	Ultimate moisture and debris protection
Dimensional Size	10.5" X 8.5"	10.5" X 8.5"	10.5" X 8.5"	Direct replacement when upgrading from other brand equalizers
Bolt Template	8.0" X 8.0"	8.0" X 8.0"	8.0" X 8.0"	
Weight	9.1 lbs.	9.3 lbs.	9.3 lbs.	Lighter weight than competitive brands
Operating Temperature (High Temp. Derate @ +55C)	-40C to +95C	-40C to +95C	-40C to +95C	High temperature rating for extreme environments
Storage Temperature	-54C to +105C	-54C to +105C	-54C to +105C	
J1939 CANBUS Communication	No	Yes	Yes	Communicates with J1939 multiplex and telemetry systems
Integrated System Voltage Monitoring	No	Yes	Yes	Precise voltage monitoring
Integrated Deutsche Connector	No	Yes	Yes	Waterproof and rugged connector
CAN Control / User Adjustable Set Points	No	Yes	Yes	On vehicle programming
Integrated Battery Monitoring	No	Yes (EM-70)	Yes (M1200)	Model-based technology. Battery state-of-charge, state-of-health. Immediate battery time-to-run recalculation as loads change.
Integrated Electrical System Analysis	No	No	Yes	

EQUALIZER SPECIAL FEATURES

	70-Series Fit, Form and Function plus...	80-CAN Series Fit, Form and Function plus...	
Robust aluminum housing	J1939 Communication	Electrical System Analysis	Continuously analyzes and broadcasts electrical system status
High Temperature Rating	EM70 Battery Monitoring for ...	Battery State-of-Health	Model-based technology. More precise than just voltage and temperature monitoring.
IP-56 Environmental Rating	Battery Overvoltage	Battery State-of-Charge	
	Battery Undervoltage	Bad Connection Alert	Monitors other electrical system components and sends error codes to allow maintenance before field failures occur.
	Battery Imbalance	System Voltage Fault	
	Equalizer Fault	Equalizer Fault	