

Classic and Classic Lite 150,200 or 250		Classic or Classic Lite 250KS
Nominal Battery Voltage	12 through 72 volts on Classic's. Lite requires PC or MNGP to program above 48v	12 through 120 volts on Classic. Lite requires PC or MNGP to program above 48v
Maximum Output Current	Classic 150 and 150 Lite = 96A on 12v, 94A on 24V and 86A on 48V battery Classic 200 and 200 Lite = 79A on 12v, 78A on 24+48V and 65A on 72V battery Classic 250 and 250 Lite = 61A on 12v, 62A on 24V, 55A on 48V and 43A on 72V battery	Classic 250KS and 250KS Lite = 56A on 12V, 58A on 24V, 50A on 48V and 35A on 120V battery
PV Open Circuit Voltage VOC	150v + battery voltage on 150's, 200v + battery voltage on 200's and 250v + battery voltage on 250's NOTE: VOC + max battery voltage up to 48 volts on all models	250v + battery voltage NOTE: VOC + max battery voltage up to 48 volts on all models
Hyper VOC	Standard all models	Standard all models
Arc Fault Protection	Standard on Classic. Not available on the Lite	Standard on Classic. Not available on the Lite
Ground Fault Protection	Standard all models	Standard all models
Charging Regulation	Bulk, Absorb, Float as well as Equalization	Bulk, Absorb, Float as well as Equalization
Voltage Regulation Set Points	10 to 100 volts	10 to 150 volts
Equalization Charging	Adjustable Voltage and Duration, Manual or Auto	Adjustable Voltage and Duration, Manual or Auto
Battery Temp Compensation	Automatic when BTS is installed, Adjustable mv per degree C per 2 volt cell	Automatic when BTS is installed, Adjustable mv per degree C per 2 volt cell
Programmable Auxiliary Control Output	2 Auxiliary outputs, Aux1 can be 12 volt out or dry contact, Aux2 is 12 volt out or Logic IN	2 Auxiliary outputs, Aux1 can be 12 volt out or dry contact, Aux2 is 12 volt out or Logic IN
Status Display	Large graphical display	Large graphical display
Networking Cabling	Standard 4 conductor phone cable, no hub needed	Standard 4 conductor phone cable, no hub needed
Communications	RS232, ModBus and USB, openly published protocol	RS232, ModBus and USB, openly published protocol
Remote Display	Display can be relocated and a second display can be added	Display can be relocated and a second display can be added
Remote Monitoring And Control	Local Application software included allows viewing and control from the network or over the Internet	Local Application software included allows viewing and control from the network or over the Internet
Internet Ready	Yes on all models	Yes on all models
Data Logging	380 days of daily history, 24 hours of data on 5 minute intervals	380 days of daily history, 24 hours of data on 5 minute intervals
Wind And Hydro Applications	Standard on all models, requires a PC or MNGP on the Lite	Standard on all models, requires a PC or MNGP on the Lite
Positive Ground Applications	Requires 2 pole input and output breakers	Requires 2 pole input and output breakers
Operating Temperature	Min of -40c to 50C - Controller will auto derate as temperature rises above 25C	Min of -40c to 50C - Controller will auto derate as temperature rises above 25C
Enviromental Rating	Indoor type 1	Indoor type 1
Conduit knock Outs	Single 1" on the Left and Right. Two 1" on the bottom - 35mm hole	Single 1" on the Left and Right. Two 1" on the bottom - 35mm hole
Warranty	5 year standard	5 year standard
Weight Unit And Shipping	12 Lbs (5.45 kgs) - 14.9" x 6" x 4" (378mm x 152mm x 102mm)	12 Lbs (5.45 kgs) - 14.9" x 6" x 4" (378mm x 152mm x 102mm)
Shipping Dimensions HxWxD	19" x 8.5" x 5.7" (482.6mm x 215.9mm x 144.78mm)	19" x 8.5" x 5.7" (482.6mm x 215.9mm x 144.78mm)
Options	MNGP (Display), 3ft networking cable	MNGP (Display), 3ft networking cable
Certifications	Listed by ETL for US & Canada, CE Certified Listed, FCC Class B Listed	Listed by ETL for US & Canada, CE Certified Listed, FCC Class B Listed