

Model No.	STec-50AM
Maximum output current (Continuous at up 50°C ambient temperature)	50 Amps
Battery Voltages	12,24,36,48 VDC Normal
Max PV Input Current	40 Amps
Input Voltage Range	16~112VDC Operating
	140VDC Maximum Open Circuit Voltage
Max PV Array Power	3250 Watts (Maximum when equalizing a 48V battery to 64V at 50 Amps)
Charge Regulation Modes	Bulk, Absorption, Float, Auto/ Manual Equalization
Battery Temperature Compensation	5.0 mV per°C, per 2 volt cell
DC to DC Conversion Capability	12V Battery: 16~112VDC
	24V Battery: 32~112VDC
	36V Battery: 48~112VDC
	48V Battery: 64~112VDC
Display Status	Built-in 2-line, 20-character LCD with backlight LCD status screen displays input voltage and current, output voltage and current, charge-mode, Battery SOC
Data Logging	Logs energy harvested for 90 days, LCD displays WH, KWH, AH
Energy Monitor	LCD shows SOC, AH, WH, and present charge or discharge current. A 50mV/ 500Amp shunt is required to use
Auxiliary Relays	Two independent relays with from A (SPST) contacts for control of external devices. Contact rating is 3 Amps, 50VDC
Operation Temperature	Full Power Output to +50°C ambient
Standby Power	< 2 Watts
Dimension	267.6 x 196 x 147 mm
Weight	4.3 Kgs

Model No.	STec-80AM
Maximum output current (Continuous at up 50°C ambient temperature)	80 Amps
Battery Voltages	12,24,36,48 VDC Normal
Max PV Input Current	70 Amps
Input Voltage Range	16~112VDC Operating
	140VDC Maximum Open Circuit Voltage
Max PV Array Power	5200 Watts (Maximum when equalizing a 48V battery to 64V at 80 Amps)
Charge Regulation Modes	Bulk, Absorption, Float, Auto/ Manual Equalization
Battery Temperature Compensation	5.0 mV per°C, per 2 volt cell
DC to DC Conversion Capability	12V Battery: 16~112VDC
	24V Battery: 32~112VDC
	36V Battery: 48~112VDC
	48V Battery: 64~112VDC
Display Status	Built-in 2-line, 20-character LCD with backlight LCD status screen displays input voltage and current, output voltage and current, charge-mode, Battery SOC
Data Logging	Logs energy harvested for 90 days, LCD displays WH, KWH, AH
Energy Monitor	LCD shows SOC, AH, WH, and present charge or discharge current. A 50mV/ 500Amp shunt is required to use
Auxiliary Relays	Two independent relays with from A (SPST) contacts for control of external devices. Contact rating is 3 Amps, 50VDC
Operation Temperature	Full Power Output to +50°C ambient
Standby Power	< 2 Watts
Dimension	414.8 x 225 x 147 mm
Weight	7.1 Kgs

Model No.	STec-80AMW
Maximum output current (Continuous at up 50°C ambient temperature)	80 Amps
Battery Voltages	12,24,36,48 VDC Normal
Max PV Input Current	70 Amps
Input Voltage Range	16~192VDC Operating
	240VDC Maximum Open Circuit Voltage
Max PV Array Power	5200 Watts (Maximum when equalizing a 48V battery to 64V at 80 Amps)
Charge Regulation Modes	Bulk, Absorption, Float, Auto/ Manual Equalization
Battery Temperature Compensation	5.0 mV per°C, per 2 volt cell
DC to DC Conversion Capability	12V Battery: 16~192VDC
	24V Battery: 32~192VDC
	36V Battery: 48~192VDC
	48V Battery: 64~192VDC
Display Status	Built-in 2-line, 20-character LCD with backlight LCD status screen displays input voltage and current, output voltage and current, charge-mode, Battery SOC
Data Logging	Logs energy harvested for 90 days, LCD displays WH, KWH, AH
Energy Monitor	LCD shows SOC, AH, WH, and present charge or discharge current. A 50mV/ 500Amp shunt is required to use
Auxiliary Relays	Two independent relays with from A (SPST) contacts for control of external devices. Contact rating is 3 Amps, 50VDC
Operation Temperature	Full Power Output to +50°C ambient
Standby Power	< 2 Watts
Dimension	414.8 x 225 x 147 mm
Weight	7.1 Kgs

Model No.	STec-160AMW
Maximum output current (Continuous at up 50°C ambient temperature)	160 Amps
Battery Voltages	12,24,36,48 VDC Normal
Max PV Input Current	140 Amps
Input Voltage Range	16~192VDC Operating
	240VDC Maximum Open Circuit Voltage
Max PV Array Power	10400 Watts (Maximum when equalizing a 48V battery to 64V at 160 Amps)
Charge Regulation Modes	Bulk, Absorption, Float, Auto/ Manual Equalization
Battery Temperature Compensation	5.0 mV per°C, per 2 volt cell
DC to DC Conversion Capability	12V Battery: 16~192VDC
	24V Battery: 32~192VDC
	36V Battery: 48~192VDC
	48V Battery: 64~192VDC
Display Status	Built-in 2-line, 20-character LCD with backlight LCD status screen displays input voltage and current, output voltage and current, charge-mode, Battery SOC
Data Logging	Logs energy harvested for 90 days, LCD displays WH, KWH, AH
Energy Monitor	LCD shows SOC, AH, WH, and present charge or discharge current. A 50mV/ 500Amp shunt is required to use
Auxiliary Relays	Two independent relays with from A (SPST) contacts for control of external devices. Contact rating is 3 Amps, 50VDC
Operation Temperature	Full Power Output to +50°C ambient
Standby Power	< 4 Watts
Dimension	498 x 392.6 x 147 mm
Weight	17 Kgs