

The most reliable switching mode Battery Chargers

Model No.	Output Watts	Input Voltage	Maximum inrush current	Frequency
STC-X70	173 Watts	110/220VAC	80A@220V AC 40A@110V AC Cold start at 25°C ambient	47~63 Hz
STC-X80	173 Watts			

ENVIRONMENTAL CONDITIONS:

- Cooling: Convection
- Temperature sensor: 85°/95°/105° Celsius
- Operating Temperature: 0°C~+50°C
- Operating Humidity: 20%~85% RH. (Non condensing)
- Storage Temperature: -20°C~+80°C
- Storage Humidity: 10%~90% RH. (Non condensing)
- Operating Altitude: Sea level to Above Sea level 4000M

DC OUTPUT CHARACTERISTICS:

Model No.	STC-X70	STC-X80
Output system voltage (VDC)	12~14.8	27.6
Maximum load (Amps) (Constant current)	12.5	6.25
Minimum load (Amps)	0.2	0.2
Ripple/ Noise mV	140	290
Line regulation	±1%	±1%
Load regulation	±3%	±3%
Maximum output not exceed	173W	173W

OVERALL PERFORMANCE:

- Efficiency: 80% typical @110/230V AC Full Load
- Short Circuit Protection (SCP): All output equipped with SCP (shutdown and latch off)
- Over Power Protection (OPP): Peak power protected to 130~150% of continuous rated power (shutdown and latch off)
- Over Voltage Protection (OVP): +12V@ 15.6~16.8V DC/ +24V@ 31.2~33.6V DC
- Auto off charger protection: When the battery full load, the charger will not load to battery

RELIABILITY:

- MTBF (Mean Time Between Failure): 75,000 hours @Max. Load, 110/220V AC & 25°C ambient
- Safety Standards: Meet UL60950 and TüV EN60950
- Safety Approved:
- EMI Compatibility (EMC) Standard: FCC Part 15 Class B, CISPR22 (EN55022) Class B (CE mark)
- Dielectric Withstand: Input to Output: 1500 VAC for 1 sec, Input to Frame Ground: 1500 VAC for 1 sec
- Leakage Current: <0.075mA @264 VAC

Auto shut down Temperature sensor protection:

- Temperature sensor 95 degree Celsius, auto recovery

Output Device Connector Specific:
One set Red and Black 10AWG UL1007 with Y type connector

Standard Output Cable Length From Chassis:
200 mm
7.87 Inches

Power Chassis Dimension:
180(L) x 110(W) x 71(H) mm
7.087(L) x 43.30(W) x 27.95(H) Inches

Net Weight:
1.4 kgm
3.086 Lbs

Gross Weight:
1.6 kgm
3.526 Lbs

Packing Detail:
8 PCs and 12 PCs optional

Measurement of Carton:
0.0425 M^3
1.5 Cuft