

ST 0716 CHGR Data Sheet

Input 100-240 VAC, 50/60 Hz

Max Input Power 50W

Output 29.4 VDC / 1.6A

Max Output Power 47.12W

Charger Protections

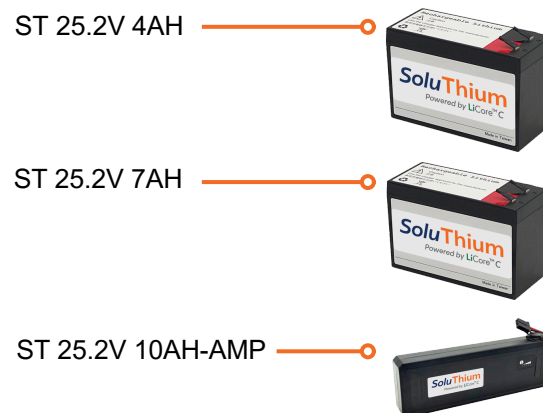
- Over temperature (initial charging)
- Over temperature (during charging)
- Short circuit
- Pre-charge error



ST 0716 CHGR CHARGER SPECIFICATIONS

Input	100-240 VAC 50/60Hz	Output	29.4 VDC / 1.6A
Max. Input Power	50W ± 10%	Max. Output Power	47.12W ± 10%
Efficiency	≥ 80%	Weight	310g
Connector <i>*customizable</i>	89M-103-3N 89M-103-4N	Dimensions	120 x 60 x 36.1mm 4.72" x 2.36" x 1.42"
Charger Protections	– Over temperature – Short circuit – Pre-charge error	Certifications	IEC 60335-2-29 EMC IEC61000-3-2 PSE

SUPPORTED BATTERY MODELS

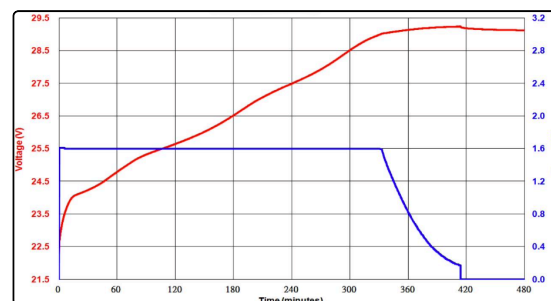


LED INDICATORS AND DESCRIPTIONS

AC Power LED	LED Indication	Description
Constant On	Flashes 3 times and off	Power on (AC plugged in without battery)
	Red LED Constant On	Constant current & constant voltage mode
	Green LED Constant On	Battery fully charged
	Red LED Slow Flash	Pre-charge mode
	Green LED Fast Flash	Pre-charge fail
	Green LED Slow Flash	Over temperature protection > 45±5°C
	Green LED Fast Flash	Over temperature protection < 0±5°C
Red LED Flash	Red LED Flash	Output short circuit protection at AC 110V
	Green LED Flash	Output short circuit protection at AC 220V

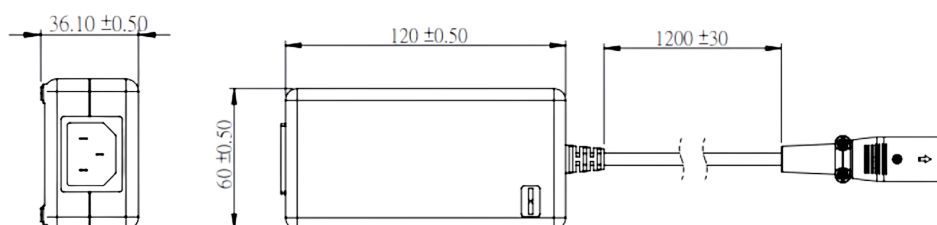
Note: Slow flash frequency: every 500ms. Fast flash frequency: every 100ms

CHARGING CURVES



Charge Current: 1.6A
Charge Time: 6.8 hrs

MECHANICAL DESIGN



Pin	Definition
1	CH+
2	TH+
3	CH-
4	CH-