# 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** 

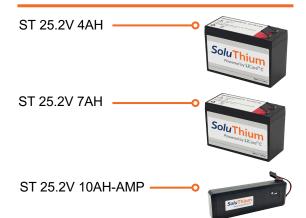
- Over temperature (initial charging)Over temperature (during charging)
- Short circuit
- Pre-charge error



## 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 *customizable	89M-103-3N 89M-103-4N	Dimensions	120 x 60 x 36.1mm 4.72" x 2.36" x 1.42"
Charger Protections	<ul><li>Over temperature</li><li>Short circuit</li><li>Pre-charge error</li></ul>	Certifications	IEC 60335-2-29 EMC IEC61000-3-2 PSE

#### SUPPORTED BATTERY MODELS

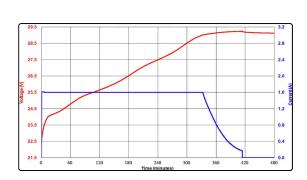


## LED INDICATORS AND DESCRIPTIONS

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

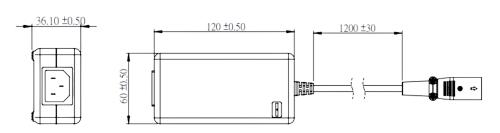
Note: Slow flash frequency: every 500ms. Fast flash frequency: every 100ms

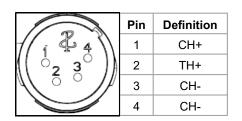
### **CHARGING CURVES**



Charge Current: 1.6A Charge Time: 6.8 hrs

#### **MECHANICAL DESIGN**





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