

ST 0728 CHGR Data Sheet

Input	100-240 VAC, 50/60 Hz
Max Input Power	95W
Output	29.05 VDC / 2.8A
Max Output Power	81.3W
Charger Protections	• Over temperature (initial charging & during charging) • Short circuit • Pre-charge error • Output current and output voltage



ST 0728 CHGR CHARGER SPECIFICATIONS

Input	100-240 VAC 50/60Hz	Output	29.05 VDC / 2.8A
Max. Input Power	95W ± 10%	Max. Output Power	81.3W ± 10%
Efficiency	≥ 80%	Weight	530g
Connector <i>*customizable</i>	89M-103-3P 89M-103-4P 89M-103-5P	Dimensions	167 x 74 x 37mm 6.57" x 2.91" x 1.46"
Charger Protections	– Over temperature – Short circuit – Pre-charge error – Over current – Over voltage	Certifications	IEC 60335-2-29 IEC 62368-1 EMC IEC61000-3-2 PSE / SAA / UL1012 / CSA C22.2 No.107.1-16

SUPPORTED BATTERY MODELS

ST 25.4V 10AH



ST 25.2V 10AH-AMP



ST 25.4V 24AH



ST 25.2V 34AH

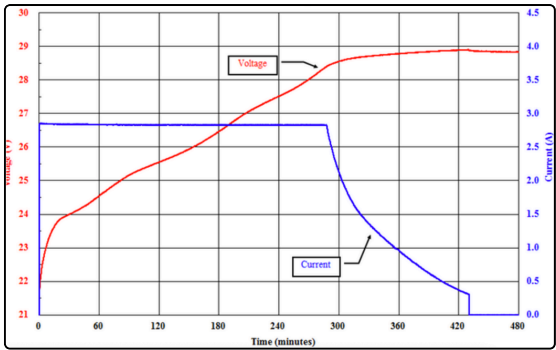


LED INDICATORS AND DESCRIPTIONS

Green LED	Red LED	Specifications
Constant Off	Flashes 3 times and Off	Power on (AC plugged in without battery)
Constant Off	Slow Flash	Pre-charge mode
Constant Off	Constant On	Constant current & voltage mode
Constant On	Constant Off	Battery fully charged
Slow Flash	Constant Off	Low temperature charging mode < 0±5°C
Fast Flash	Constant Off	Over temperature protection at initial charging 0±5°C > Battery Temperature > 40±5°C
Flash alternately	Flash alternately	Over temperature protection during charging Battery temperature > 50±5°C Over voltage & over current protection Pre-charge mode fail / Charging fail Output short circuit

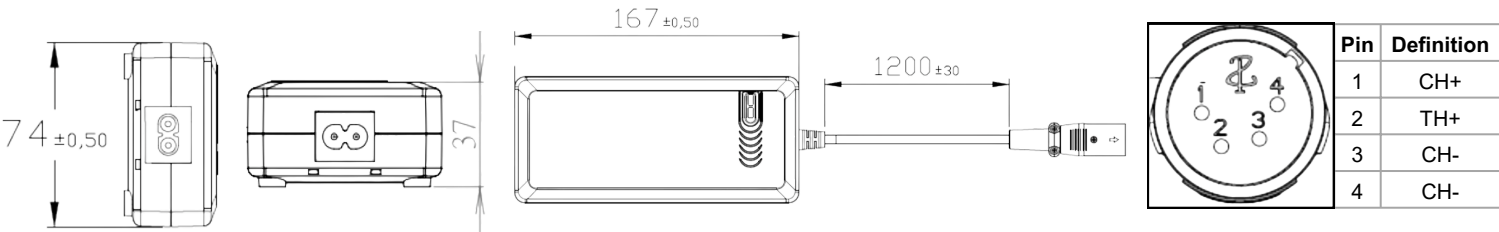
Note: Slow flash frequency: every 500ms. Fast flash frequency: every 100ms

CHARGING CURVES



Charge Current: 2.8A
Charge Time: 7.2 hrs

MECHANICAL DESIGN



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