ST M0750 CHGR Data Sheet

SoluThium
Powered by LiCore™ C

Input	**100-240 VAC, 47 / 63 Hz**
Max Input Power	**170W**
Output	**28 VDC / 5A**
Max Output Power	**142.5W**
Charger Protections	• Over temperature (initial charging) • Over temperature (during charging) • Output current / voltage • Short circuit • Pre-charge error

ST M0750 CHGR CHARGER SPECIFICATIONS

Input	100-240 VAC 47/63Hz	Output	28.0 VDC / 5.0A
Max. Input Power	170W ± 10%	Max. Output Power	142.5W ± 10%
Efficiency	≧ 80%	Weight	1kg
Connector *customizable*	89M-103-3P 89M-103-4P 89M-103-5P UT-D264M3S	Dimensions	115 x 230 x 65mm 4.53" x 9.06" x 2.56"
Charger Protections	– Over temperature – Output current – Output voltage – Short circuit – Pre-charge error	Certifications	IEC 60335-2-29 EMC IEC60601-1 PSE

SUPPORTED BATTERY MODELS

ST 25.2V 29AH

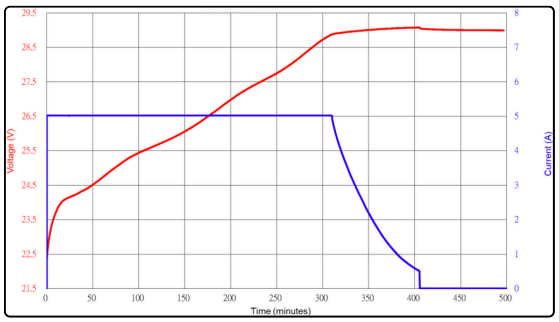
ST 46.8V 14AH

LED INDICATORS AND DESCRIPTIONS

Green LED	Red LED	Descriptions
Constant Off	Flashes 3 times & off	Power on (AC plugged in without battery)
	Slow flash	Pre-charge mode
	Constant On	Constant current & constant 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 (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

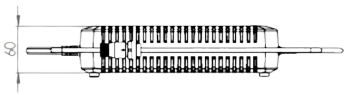
Note: Slow flash frequency: every 500ms. Fast flash frequency: every 100ms.

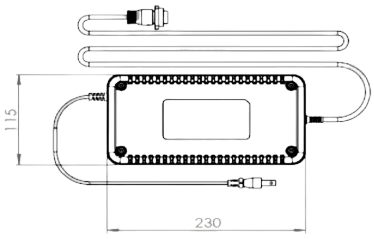
CHARGING CURVES

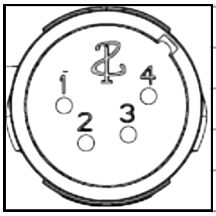


Charge Current: 5A
Charge Time: 6.8 hrs

MECHANICAL DESIGN







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