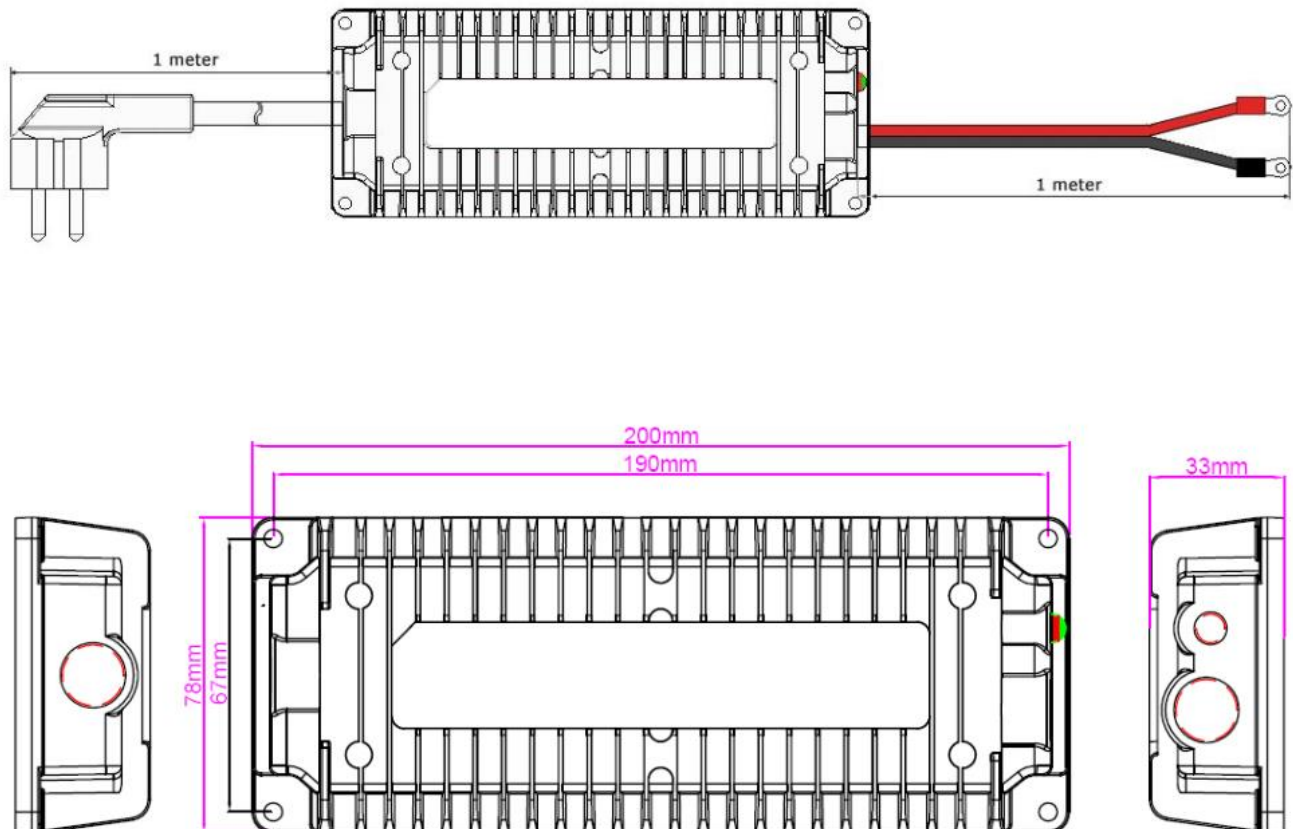


Input voltage	Output voltage	Output current	Output power	Efficiency	Dimensions
230VAC	14.6VDC	20A	300W	96%	200x77x30mm



The name may vary depending on the model

Illustration:



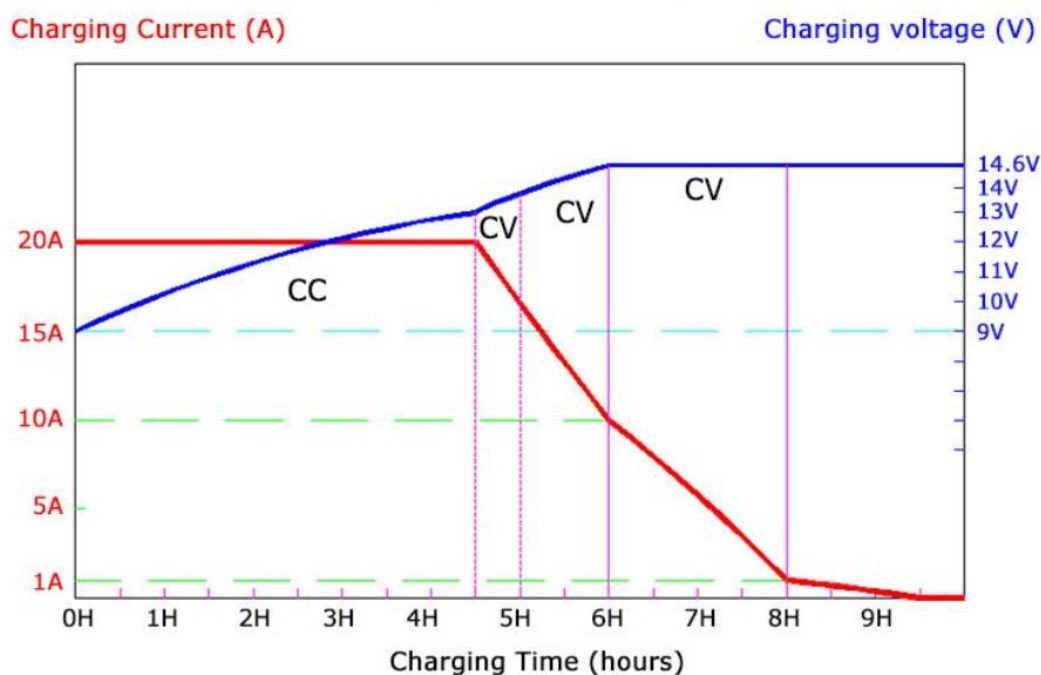
Specifications:

Model	L-230V1220 (02-50-09)
Battery Type	LiFePO4
Max. Output Voltage	14.6V
Max. Rated Current	20A+/- 3%
Input Voltage	230VAC
Input Voltage Range	90-265VAC
Input Frequency	50Hz/60Hz
Efficiency (Typical)	94-96% @230VAC, 92-94% @110VAC
Input Cable	3x 0.75 mm² @ 100 cm length
Max. Rated Power	300W
Voltage Regulation	± 1-5%
CC	<14.6V, 300W
CV	14.6V, 300W
Power Factor	PF>0.98/110VAC & PF>0.95/220VAC
Residual Ripple	300mVp-p
Output Cable (Red/Black)	4 mm², 100 cm
Operating temperature	-40°C - +60°C
Water resistance	IP65
Moisture resistance	GB/T2423.4-1993, 24~45°C 95%RH, 48h
Trickle charge	NO
Short-circuit protection	YES
Overload protection	YES
Overheat protection	YES
Surge protection	YES
Weight	~1.1 kg
Dimensions	200 x 77 x 30 mm
Cooling	Heat sinks, without fans
Packaging	Cardboard
User manual	DE, EN, FR, PL, NL, IT, ES, SV, TR
Manufacturing	ISO 9001:2015
Operating hours (MTBF)	>100,000 h

Dielectric strength	Input to output	3KVAC / 10mA / 1min
	Input to housing	1.5KVAC / 10mA / 1min
	Output to housing	0.5KVDC / 10mA / 1min
Grounding test	< 0.1Ω	
RoHS compliant	2011/65/EU incl. (EU) 2015/863 and (EU) 2017/2102	
CE compliant	EMC 2014/30/EU, LVD 2014/35/EU	
Safety	EN 60335-1, EN 60335-2-29	
EMC	EN 55014-1, EN 55014-2	
Mains Harmonics and Flicker	EN IEC 61000-3-2, EN 61000-3-3	
EMF	EN 62233	

Charging curve:

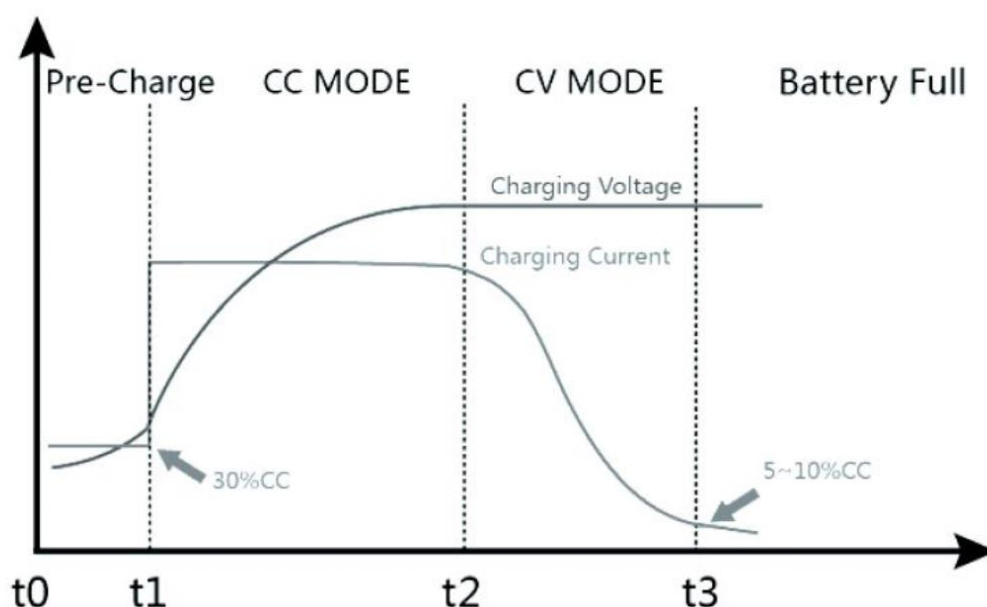
e.g.: 12V/100AH Lithium battery



Step charge:

Automatic charging protects your battery against overcharging, allowing you to leave the charger connected to the battery indefinitely.

Two-stage charging is a sophisticated charging technique that provides your battery with a longer service life and better performance compared to conventional chargers.



BULK (CC-MODE)

The bulk phase reduces charging time by charging the battery at the maximum rate (constant current) to a set voltage. At this point, the battery is approximately 80% charged.

ABSORPTION (CV-MODE)

The absorption phase charges the battery to 100% by adjusting the current rate, allowing the battery to accept more power.