



## C600M - 12V25A battery charger

### Specification

#### Input characteristics

No.	Project name	Project parameters	remarks
1	input voltage	Rated voltage: 220Vac Adjustment range: 200~240Vac	
2	Input frequency	Rated frequency:50/60Hz Adjust frequency:47-63Hz	
3	Maximum input current	When the input voltage is rated value, The maximum input current is 6A	
4	Surge current	At ambient temperature of 25 °C,when the output is rated negative Load, input the maximum wave at 220VAC cold start Inrush current < 50A.	

#### output characteristic

No.	Project name	Project parameters	remarks
1	output power	output voltage: 14.7V Maximum charging current:25A Turn green current: 2.5±0.3A Maximum output power :367.5W	
2	Load characteristics	Maximum charging voltage:14.7V Linear adjustment: ±0.2V load regulation: ±5%	
3	efficiency	When the input voltage is 220 VAC, the output maximum load, efficiency≥90%。(TYP)	

#### Protection function and others

No.	Project name	Project parameters	remark
1	Input undervoltage protection	When the input voltage is less than 180vac, the charger has no output; when the input voltage condition is satisfied, it can return to normal automatically.	
2	Output short circuit protection	After the output short circuit of the power supply is removed, plug the AC plug again, and the charger can resume normal operation.	

3	Output over and over temperature protection	The power supply will recover automatically and work normally after the over and over temperature fault is eliminated.	
4	Output overvoltage protection	When the output voltage exceeds the rated voltage, the power supply will be protected and power on again after troubleshooting.	
5	Output reverse connection protection	When the output terminal is reversed, charger protection, fault After release, it is necessary to disconnect the input and restart.	
6	Prevent battery from recharging	If the output is connected to the battery, the battery charge will not be recharged	
7	Protection level	IP30 (Indoor use)	

## Environmental requirements

No.	Project name	Project parameters	remarks
1	working temperature	-20℃~+45℃	
2	Storage temperature	-20℃~+85℃	

## application area

This charger is suitable for all kinds of equipment and tools powered by energy storage battery:

- 1.1 Means of transportation: electric bicycles and motorcycles;
- 1.2 Robots: electric toys and industrial electric robots;
- 1.3 Other practical power tools.

## Safety

No.	Project name		Standard / test conditions	remarks
1	Withstand voltage test	Input/output	1800Vac/60s ≤5mA	
2	insulation resistance	input-case	≥100MΩ@500Vdc	
		output-case	≥100MΩ@500Vdc	
3	Leakage current		<5mA	
4	Certification body		CE	
5	Certification standards		EN60335	

## Status description and charging diagram of indicator light

### Indicator status description

No.	State of charge	Indicator Status	remarks
1	No load	green light flashing	
2	Normal charging	red light	
3	Full output cut off	green light	