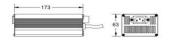


JYC Battery Manufacturer Co., Ltd.







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 □,whenthe 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.	

	Output over and	The power supply will recover automatically and work	
3	over temperature	normally after the over and over temperature fault is	
	protection	eliminated.	
	Output overvoltage protection	When the output voltage exceeds the rated voltage,	
4		the power supply will be protected and power on again	
		after troubleshooting.	
	Output reverse	When the output terminal is reversed, charger	
5	connection	protection, fault After release, it is necessary to	
	protection	disconnect the input and restart.	
6	Prevent battery	If the output is connected to the battery, the battery	
O	from recharging	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	
	insulation	input-case	≥100MΩ@500Vdc	
2	resistance	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	