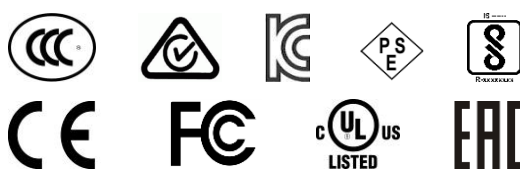


Technical Data Sheet

D90522 – Single Cell Charger for D91120 battery



5 Watt Desktop Battery Charger for D91120

Features:

- Single bay charger
- For the standard battery D91120
- Optimized charging process for RRC battery:
 - Longer cycle life
- Simple operation – Plug and Play
- External wall plug power supply for worldwide use

Applications:

- Standard charging station for mobile devices used in medical, industrial and consumer markets

Specification D90522

Input	
Voltage	5V nom.
Current	1000mA nom.
Power	5W

Output	
Voltage	4.2VDC
Current max.	1A
Voltage tolerance ⁽¹⁾	±1% max.
Current tolerance ⁽¹⁾	±10% max. @1A
Protection	Short circuit Battery over/under temperature Charger over temperature Charge timer

Environmental	
Cooling	convection cooled
Temperature	Operating: 0°C to 40°C Non-operating -10°C to 70°C
Pressure & Altitude	Operating: 1060hPa to 795hPa -382m to 2000m Non-operating: 1060hPa to 572hPa -382m to 4570m
Humidity	5% to 95% r.H., non-condensing

General	
Indicator	Multi-color LED (green, red, orange)
Battery types	Standard battery RRC1120
Green procurement	RoHS 2011/65/EU WEEE 2012/19/EU Chinese RoHS

LED Indications	
Orange light	The inserted battery is of the correct type and is currently being charged.
Green light	The battery is charged and can be removed for use.
Red blinking	Battery detection phase
Red light	No battery inserted, battery over/under temperature-, charger over temperature-, battery over voltage-, battery charge timer time-out-error or input voltage too low

Charger Mechanical Details	
Housing dimensions (LxWxH)	40.6 x 76 x 12.6mm
Weight	15g (excluding power supply)

Notes:

1. Total regulation tolerance includes initial set accuracy, line and load regulation

Technical Data Sheet

D90522 – Single Cell Charger for D91120 battery



Safety & EMC		
	In combination with specified external AC/DC power supply	
Regulatory approvals	Europe	CE
Electromagnetic Emissions	Europe	EN55011, EN55022, level B
	USA	FCC15 class B
Electromagnetic Immunity	ESD immunity	EN/IEC61000-4-2
	Electromagnetic field immunity	EN/IEC61000-4-3
	EFT / Burst	EN/IEC61000-4-4
	Surge	EN/IEC61000-4-5
	Conducted Immunity	EN/IEC61000-4-6
	Magnetic Fields	EN/IEC61000-4-8

Specification external AC/DC power supply

Input	
Voltage range	100 - 240VAC
Current	0.3A max.
Stand by power	No load < 0.1W @ 230 VAC

Output	
Voltage range	5VDC
Power	5W max.
Current range	1A
Protection	Over voltage, Short circuit

Environmental	
Temperature	Operating: 0°C to 40°C
	Non-operating -20°C to 60°C

General	
Efficiency	California's Energy Efficiency Level VI
Line regulation	±5%
Ripple & Noise	200mV (p-p)

Power Supply Mechanical Details	
Standard output connector	Micro USB
Housing dimensions (LxWxH)	71 x 60 x 26.5mm for UK
	60 x 26 x 40mm for EU
	60 x 26 x 40mm for KR
	60.3 x 41.5 x 66.3mm for AUS
	60 x 25.2 x 40mm for USA/CAN/JP
	68 x 30 x 35mm for CN
Weight	70g max.

Safety & EMC & Approvals		
Approvals	Europe	CE
	International	CB
	USA/Canada	cULus
	Australia	RCM
	Russia (Customs Union)	EAC
	Korea	KC
	China	CCC
	Japan	PSE
	India	BIS