

Specification of
Smart DC Charger For any 7.4V Li-ion Battery Pack ---
Charging N' Drive



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1.0 INPUT

1.1 Voltage

Minimum	Normal	Maximum	Unit
10	12	15	Vrms

1.2 Current

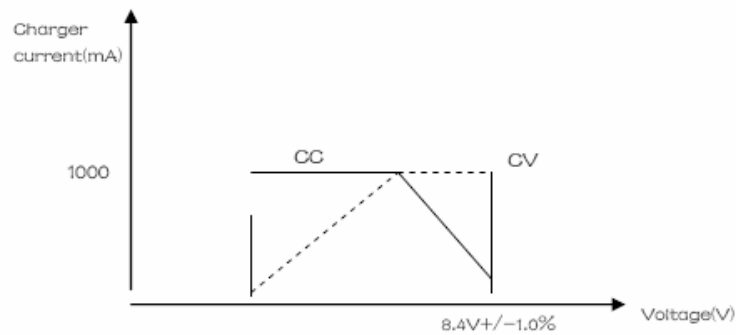
1.5A.(MAX)

1.3 Power efficiency

80% (min.) at full load, 12VDC input.

2.0 OUTPUT

2.1 Charge curve



2.1.1 Its output voltage is $8.4 \pm 1\%$ V at standby.

2.2 Led display

Green on standby

Red on charging

Green on full charge when charging current drop to $150 \pm 10\%$ mA.

3.0 PROTECTION

3.1 Over voltage protection

Output over voltage protection with zener diode.

3.2 Short circuit protection

The output short to ground, it will auto-recovery without damage.

4.0 ENVIRONMENT:

4.1 Ambient operation temperature

0°C to +40°C

4.2 Ambient operation relative humidity

20% to 85%

4.3 Ambient storage temperature

-40°C to +70°C

4.4 Ambient storage relative humidity

10% to 95%

5.0 DROP TEST

5.1 Freely drop the wooden board from the height of 75cm for two times per side(front/back/left/right).

6.0 VIBRATION TEST

6.1 Vibration frequency:5-60-5Hz with 10 octave/min@2.1G

6.2 Three circles per axis(X,Y,Z) for 10minutes

7.0 MTBF

40,000 hours base on bellcore TR332 document required at 25°C.

8.0 Outline

8.1.Outline dimension: 96.0X44.0X28.0mm MAX;;

8.2.Profile:surface smooth ,no scar and mechanical damage.