

## 100 Watts Single Output with PFC Function AC-DC Battery Charger



### FEATURES

- ◆ Built-in active PFC function, PF>0.9 for 75% load or higher
- ◆ Built-in C.C. mode, Suitable for Battery Charger applications
- ◆ Protections: Short circuit / OCP / OVP / OTP
- ◆ Reverse polarity / Backfeed Protections
- ◆ Cooling by free air convection
- ◆ LPS Design
- ◆ Dual colored LED loading indicator
- ◆ 2 years warranty

### SPECIFICATIONS

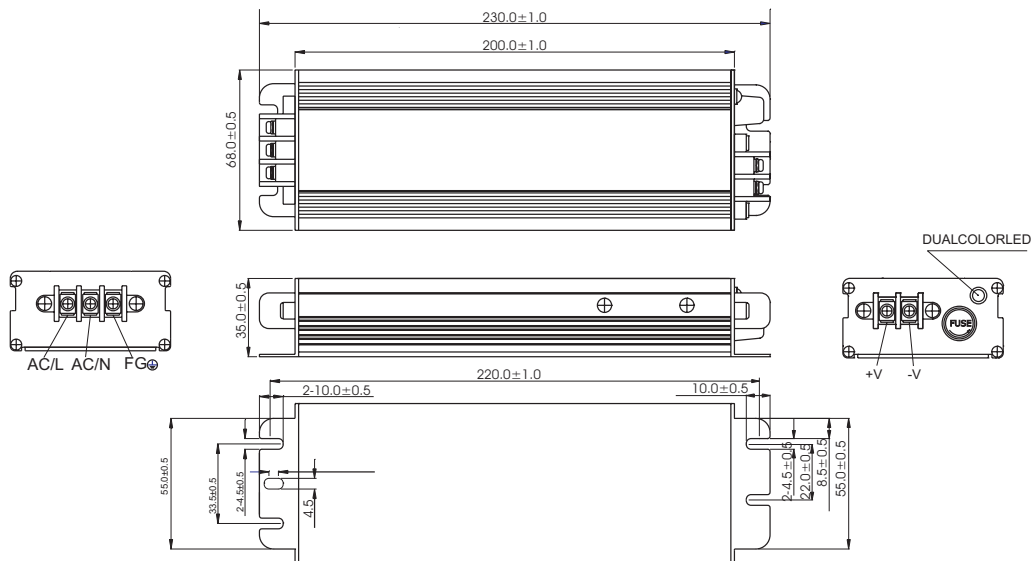
Input Voltage.....90~277VAC; 127~392VDC  
 Input Frequency.....47~63Hz  
 Input Current.....1.5A max.  
 Inrush Current ..... 40A max.(Cold start)  
 Turn On, Rise, Hold Up Time.....3Sec,100ms,10ms at 110VAC  
 Output voltage ..... Anywhere output 11~55VDC  
 Workable O/P Voltage Range.....100~65% of Von @ C.C. mode  
 Dielectric Withstand ..... I/P-O/P: 3000VAC; I/P-FG:1500VAC  
 Operating Temperature ..... -20°C to +50°C  
 Storage Temperature ..... -40°C to +85°C  
 Protections ..... OTP, OCP, OVP, Short Circuit  
 Battery Protections.....Reverse polarity (by fuse), backfeed  
 Overload Protections .....95%~102% constant current limiting, auto-recovery  
 Safety Standard...UL60950-1; EN60335-2-29 (except for 45~55V)  
 EMC Standard..... EN55022 ClassB, EN61000-3-2,3, EN61000-4-2, 3, 4, 5, 6, 8, 11

All Specifications are Typical at Nominal Line, full Load and 25°C. Unless Otherwise Noted.

Model Number	Output Voltage (VDC)	Output Current (A)	Workable Voltage Range (VDC)	EFF %	Output Max. Watts
FCA100-S12-AL	11~13	7.27~6.15	65~100% of Von*	86	80W
FCA100-S15-AL	13~15	6.15~5.33	65~100% of Von	86	80W
FCA100-S18-AL	15~21	6.0~4.28	65~100% of Von	86	90W
FCA100-S24-AL	21~29	4.57~3.31	65~100% of Von	87	96W
FCA100-S30-AL	29~33	3.31~2.9	65~100% of Von	87	96W
FCA100-S36-AL	33~37	2.9~2.59	65~100% of Von	87	96W
FCA100-S42-AL	37~45	2.59~2.13	65~100% of Von	87	96W
FCA100-S48-AL	45~55	2.13~1.74	65~100% of Von	87	96W

Note: Von: Vout at no load.

### MECHANICAL DRAWING (Unit: mm)



Battery Charger