

80 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 Protections95%~105% 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

Model Number	Output Voltage (VDC)	Output Current (A)	Workable Voltage Range (VDC)	EFF %	Output Max. Watts
FCA080-S18-AL	15~21	5.33~3.8	65~100% of Von*	86	80W
FCA080-S24-AL	21~29	3.8~2.75	65~100% of Von	87	80W
FCA080-S30-AL	29~33	2.75~2.42	65~100% of Von	87	80W
FCA080-S36-AL	33~37	2.42~2.16	65~100% of Von	87	80W
FCA080-S42-AL	37~45	2.16~1.77	65~100% of Von	87	80W
FCA080-S48-AL	45~55	1.77~1.45	65~100% of Von	87	80W

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

Note: Von: Vout at no load.

Battery Charger

MECHANICAL DRAWING (Unit: mm)

