



Dimension: 159 × 98 × 38mm

Features:

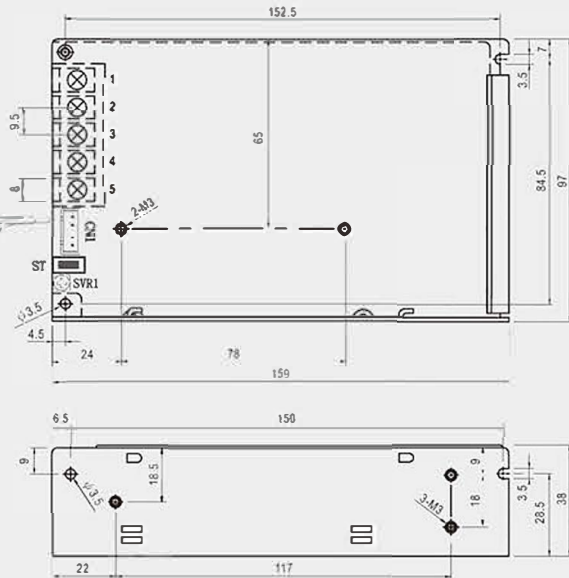
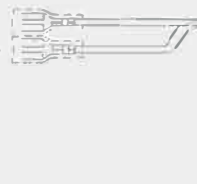
- Universal AC input/Full range
- Small volume, low weight, high efficiency
- Protections: Short circuit / Overload
- Indicator for power on/charge/normal(LED)
- 100% full load burn-in test
- Battery protection at low voltage
- 2 Years warranty

SPECIFICATION

Model		SC-120-12		SC-120-24	
Output	DC voltage	CH1:13.8V	CH2:13.4V	CH1:27.6V	CH2:26.5V
	Voltage tolerance	± 1%	-----	± 1%	-----
	Rated current	8.0A	0 50A	4.0A	0.30A
	Current range	0 ~ 8.0A	-----	0 ~ 4A	-----
	Rated power	117.1W		118.4W	
	Ripple & noise	120mVp-p	-----	180mVp-p	-----
	DC voltage ADJ. range	CH1:11.3 ~ 14.9V		CH1:21.3 ~ 29.8V	
Input	Setup, rise, hold up time	800ms,50ms,80ms/230VAC. 1600ms,50ms,16ms/115VAC.			
	Voltage range	90 ~ 132VAC/180 ~ 264VAC(selected by switch) or 255 ~ 370VDC			
	AC current	2.8A/115VAC 1 4A/230VAC			
	Efficiency	84%		86%	
	Inrush current	cold-start current 30A/115VAC 50A/230VAC			
	leakage current	< 1mA/240VAC			
Protection	over load	rated output power 110% ~ 150% start over load protection protection type: AC charging mode :hiccup mode, auto-recovery after fault condition is removed			
	battery protection	9.5 ~ 11V		20 ~ 22V	
	at low voltage	protection mode :cutoff output			
Function	UPS introduction	long-term online floating charge to battery,high charging efficiency,battery can saturate to more than 90%			
		auto-stop charging when it's full,prevent over charging. Effectively extend battery life			
		AC/battery auto switch,no switch time.no need human guard			
		cold-start ,when there is no AC input ,can use battery start UPS,Meet the user's emergency needs			
Env ronment	Working temp, humidity	-10℃ ~ +60℃:20% ~ 90%RH(Please refer to “derating curve”)			
	Storage temp, humidity	-20℃ ~ +85℃:10% ~ 95%RH Non-condensing			
	Withstand vibration	10 ~ 500Hz, 2G 10min./1Cycle, Period for 60min, Each axes			
Safety	Withstand voltage	I/P-O/P: 1.5KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC			
	Isolation resistance	I/P-O/P; I/P-FG,O/P-FG: 100M Ohms/500VDC			
fit standard	Safety standard	Compliance to UL60950-1, EN 60950-1:2006			
	EMC Standard	Compliance to EN55022, CLASSB, EN 61000-6-3:2001, EN 55022:2006+A1:2007 EN 61000-6-1:2001, EN 55024:1998+A1:2000+A2:2003,EN 61000-4-2/-3			
Others	Weight	0.56kg 159*98*38mm (L*W*H)			
	Packing	0.56kg/45pcs/24kg			

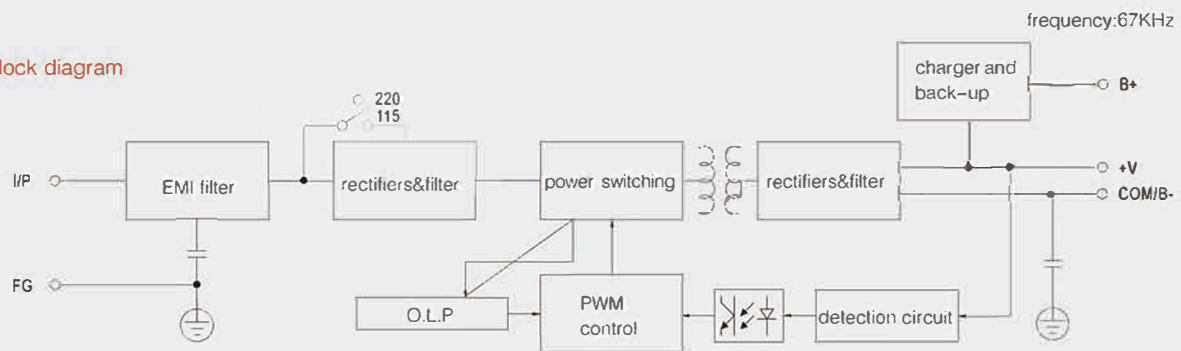
Unit:mm

Pin No.	Assignment	Pin No.	Assignment
1	ACL	4	DC OUTPUT -V
2	ACN	5	DC OUTPUT +V
3	FG $\frac{1}{2}$		



indicator color	explain
green	DC OUTPUT indicator
red	AC INPUT indicator
white	battery charge indicator

Block diagram



The graph shows a piecewise linear function representing the load distribution. The x-axis is labeled 'Horizontal distance (m)' and ranges from -10 to 60. The y-axis is labeled 'Load (%)' and ranges from 0 to 100. The load is 100% for horizontal distances from -10m to 30m. From 30m to 50m, the load decreases linearly from 100% to 60%. At 50m, there is a vertical drop to 0% load, which remains at 0% for distances greater than 50m.

Horizontal distance (m)	Load (%)
-10	100
30	100
50	60
51	0
60	0

Figure 10 is a line graph showing Load (%) on the y-axis (ranging from 25 to 100) versus Time (min) on the x-axis (ranging from 90 to 132). The graph shows a constant load of 85% from 90 to 100 minutes, followed by a sharp increase to 100% at 100 minutes, and then a constant load of 100% until 132 minutes. The ambient temperature is 25°C.

Time (min)	Load (%)
90	85
100	100
132	100

Input voltage(V)50Hz