

Features

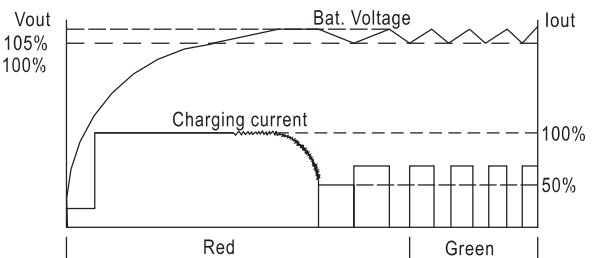
- AC input range selectable by switch
- Passive PFC, PF > 0.65(option)
- Protection for deeply discharged battery
- Protections: Short circuit / Overload / Over voltage / Over temp.
- Charger for lead-acid batteries
- Built-in ON/OFF power switch
- 3 poles AC inlet with fuse holder
- Charging type can be selected (option)
- 2 color LED loading indicator
- EN60335 approved
- Low cost, high reliability
- Open frame models available (without safety approval)
- 2 years warranty

General Specification

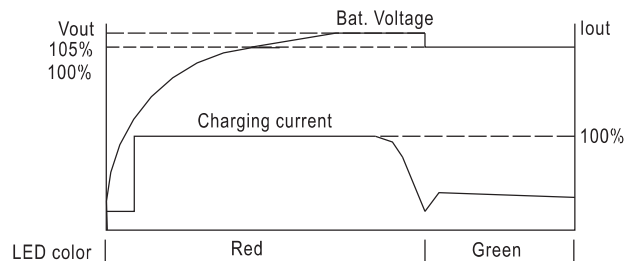
AC input voltage range 88~132VAC/ 176~264VAC selectable by switch
 AC inrush current (max.) Cold start, 25A at 115VAC, 50A at 230VAC
 Overload protection 90%~110% constant current limiting, auto-recovery (PS-120: 105~150% hiccup mode, auto recovery)
 Over voltage protection 108%~127% rated output voltage
 Setup, rise, hold up time 1000ms, 50ms, 16ms at full load and 230VAC
 Withstand voltage I/P-O/P: 3kVAC, I/P-FG: 1.5kVAC, O/P-FG: 0.5kVAC, 1 minute
 Working temperature -10°C~45°C, derating curve may vary for different models (PS-120: -10~60°C)
 Safety standards UL60950-1, TUV EN60950-1, EN60335, EN60335-1, EN60335-2-29(except for 55.2V) approved
 EMC standards EN55022 class B, EN61000-4-2,3,4,5,6,8,11, EN61000-3-2,3, ENV50204
 DC output cable 6 ft. of SPT-2, 18AWGx2C
 Standard output connector ... MIC 3P, male type(standard type)
 Packing 1.1kg ; 16pcs / 17.9kg / 1.47CUFT (without PFC)
 1.24kg ; 16pcs / 20.1kg / 1.47CUFT (with PFC)

Model No.	Output	Tol.	R&N	Effi.
P□-120□-13□	13.8V, 0~7.2A	±3~±8.5%	150mV	73%
P□-120□-27□	27.6V, 0~4.3A	±1~±8.0%	200mV	79%
P□-120□-54□	55.2V, 0~2.2A	±1~±7.5%	250mV	79%

Charging Curve



Type A: pulse charger (detect on bat. voltage)



Type B: 2 section voltage charger (detect on charging current)

Order Information

P A - 120 P - 13 C

S: Power supply
 A: Pulse charge
 B: 2 section voltage charge
 P: With PFC
 N: None PFC

P : Open P.C.B.
 C : With case
 13: 13.8V
 27: 27.6V
 54: 55.2V