





Features

•Charger for lithium batteries (Li-ion,LiFePO4and lithium

manganese) and Lead-Acid batteries

•Built- in 4 stage charging curve(For Lithium batteries) and 3 stage

charging curve(For Lead-Acid batteries)

•Universal AC input / Full range(90-264V~)

•Built- in active PFC function

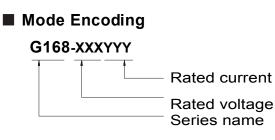
•Protection: Short circuit / Over voltage /Over temperature

/Battery over voltage / Battery reverse polarity protection

•1 years warranty

Description

G168 is a single output 168W AC/DC desktop type charger with 4 and 3 stage charging curve, suitable for lithium battery (lithium ion, lithium iron phosphate, lithium manganese) and lead-acid battery (colloid battery, liquid battery, AGM battery). When charging, the LED can indicate the battery capacity when charging.



Applications

Radio system backup solution
Electric scooter charger
Surveillance system
Electric motorcycle\Electric sweeper

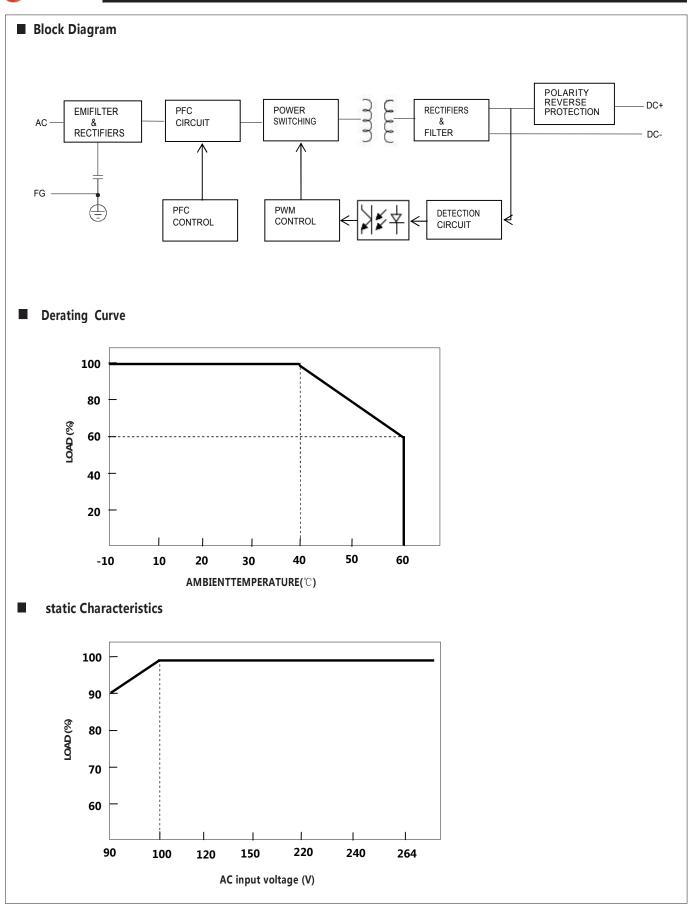
G168 series

SPECIFICATION(Li-ion battery charger)

	MODEL	G168-126130	G168-168100	G168-294057	G168-420040	G168-546030			
	Charge voltage	12.6V±1%	16.8V±1%	29.4V±1%	42.0V±1%	54.6V±1%			
	Charge voltage range	7.5-12.6V	10.0-16.8V	17.5-29.4V	25.0-42.0V	32.5-54.6V			
	Charge current	13.0A±7%	10.0A±7%	5.7A±7%	4.0A±7%	3.0A±7%			
	Pre-charge current	2.6A±7%	2A±7%	1.14A±7%	0.8A±7%	0.6A±7%			
OUTPUT	Charge-end current	≤1.3A ±10%	≤1A ±10%	≪0.57A ±10%	≪0.4A ±10%	≪0.3A ±10%			
	Rated power	163.8W	168W	167.58W	168W	163.8W			
	Recommended battery capacity								
	Note.3	30 - 100Ah	20 - 100Ah	10 - 50Ah	8 - 40Ah	6 - 30Ah			
	Leakage current from battery (Typ	.)<1mA							
CHARGING LED	Red LED flashing	2Hz Error							
	Green LED flashing	0.45Hz No battery; 0.83Hz <25% Capacity; 1.25Hz ≥25% Capacity; 1.66Hz ≥50% Capacity; 2.5Hz ≥75% Capacity;							
	Green LED on	Full							
INPUT	Rated input voltage	100 - 240VAC 50 / 60Hz							
	Input voltage range Note.4	90 - 264VAC 50 / 60HZ							
	Power factor (Typ.)	PF>0. 98@full load							
	Input current (Typ.)	2.2A@100VAC							
	Inrush current (Typ.)	PF>0. 98@Full load, Input:115VAC ; PF>0. 94 @Full load, Input:230VAC							
	Standby input power	<1W			····				
	Efficiency (Typ.)	94%	94%	94%	94%	94%			
	Short circuit Note.5	Protection type : S	hut down output	•					
PROTECTION	Over voltage	Protection type : Shut down output							
	Reverse polarity	Protection type : Shut down output							
	Over temperature	-							
ENVIRONMENT	Working temperature	-10 - +40℃ (Refer to " Derating Curve")							
	Working humidity	0 - 90% RH							
	Storage temperature, humidity	-40 - +70°C, 0- 95% RH							
	Cooling	Natural convection							
	Vibration resistance		10–50Hz,2G10min.1cycle,60min.eachalongX,Y,Zaxes						
	Max. temperature rise	< 40°C on casing							
	Hi-Pot Insulation	i/p to o/p: 3000V (1 min)							
	Safety approval	CE/PSE/SAA/FCC/CCC/cTUVus/CB/BS							
SAFETY&E MC	EMC Emission	Conducted	EN55032FCCPART15			Class B			
(NOTE 6)		Radiated	EN55032FCCPART	EN55032FCCPART15					
		Harmonic Current							
		Voltage Flicker							
	EMC IMMUNITY	Voltage Flicker EN61000-3-3 EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-8,							
OTHERS	MTBF	30000H							
	Dimension	175*72*40mm (L*W*H)							
	Weight	680g							
NOTE	1. Modification for charger specification may be required for different battery specification. Please contact battery vend and Green digital power for details.								
	2.All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperatur								
	3. This is Green suggested range. Please consult your battery manufacturer for their suggestions about maximum charging current limitation.								
	4. Derating may be needed under low input voltages. Please check the derating curve for more details.5. This protection mechanism is specified for the case the short circuit occurs after the charger is turned on.6. The battery charger is considered as an independent unit, but the final equipment still need to								

CREEN 168W Battery Charger

G168 series

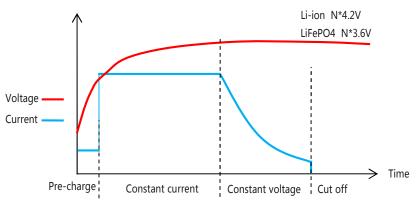


CREEN 168W Battery Charger

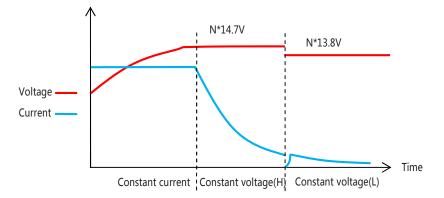
Function Manual

1. Charging Curve

◎ 4stage charging curve(Li-ion battery charger)



◎ 3stage charging curve(Lead-Acid battery charger)



2. LCD display

	No battery	25%	50%	75%	100%	Full
Green	0.45Hz	0.83Hz	1.25Hz	1.66Hz	2.5Hz	Fixed
	flicker	flicker	flicker	flicker	flicker	lighting



168W Battery Charger

