











Features

- · Charger for lithium batteries (Li-ion, LiFePO4 and lithium manganese) and Lead-Acid batteries
- Built- in 4 stage charging curve(For Lithium batteries) and 4 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
- · 2 years warranty

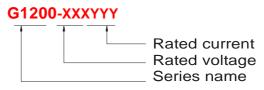
Applications

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

■ Description

G1200 is a single output 1200W AC/DC desktop type charger with 4 and 3 stage charging curve In addition to the embedded pre-defined charging curves, the default curve is programmable and thus able to accommodate different types of batteries, such as Lead- acid batteries (gel,f looded and AGM) and Lithium batteries(Li-ion,LiFePO4 and Lithium manganese).G1200 can be set different charging voltage value, charging current value and charging end current value through USB, according to customer's own requirements. The LCD screen of G1200 can display the voltage, current, capacity, and preset voltage and current.

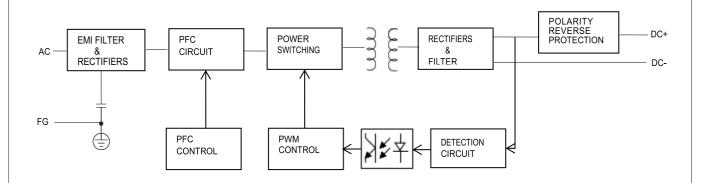
■ Mode Encoding



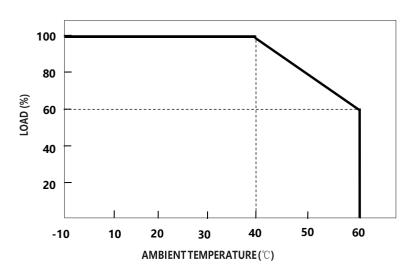
MODEL		G1200-294360	G1200-420280	G1200-546200	G1200-672175	G1200-840140	
	Charge voltage	29.4V±1%	42.0V±1%	54.6V±1%	67.2V±1%	84.0V±1%	
OUTPUT	Charge voltage range	17.5-29.4V	25.0-42.0V	32.5-54.6V	40-67.2V	50.0-84.0V	
	Charge current	36.0A±10%	28.0A±10%	20.0A±10%	17.5A±10%	14.0A±10%	
3011 01	Pre-charge current	7.2A±10%	5.6A±10%	4.0A±10%	3.5A±10%	2.8A±10%	
	Charge-end current	≤3.6A ±10%	≤2.8A ±10%	≤2.0A ±10%	≤1.8A ±10%	≤1.4A ±20%	
	Rated power	1058.4W	1176W	1092W	1176W	1176W	
	Recommended battery capacity		60 - 150Ah	40 - 100Ah	40 - 100Ah	30 - 80Ah	
	Note.3	00 - 200AII	00 - 130AH	40 - 100AII	40 - 100AII	30 - 00AH	
	Leakage current from battery (Typ.)) ≤1mA					
harge dicator	LCD display	Display voltage,current,capacity					
Communic tion unction	USB / CAN / 485	The battery type (Lead acid, Lithium battery,LiFePO4 battery), charging voltage and charging current can be set by USB interface, Communication with external devices via CAN or RS485.					
	Rated input voltage	100 - 240VAC 50 / 60Hz					
AIDI IT	Input voltage range Note.4	90 - 264VAC					
INPUT	Power factor (Typ.)	PF>0. 96 @Full load					
	Input current (Typ.)	13A@100VAC					
	Inrush current (Typ.)	Cold start 75A @230VAC					
	Standby input power	< 4W					
	Efficiency (Typ.)	92%	92%	92%	92%	93%	
	Short circuit Note.5	Protection type: Shut	t down output				
PROTECTION	Over voltage	>4.35V*N					
	Reverse polarity	By internal relay					
	Over temperature	Shut down output, recovers automatically after temperature goes down					
ENVIRONMENT	Working temperature	-10 - +40°C (Refer to " Derating Curve")					
	Working humidity	0 - 90% RH					
	Storage temperature, humidity	-40 - +70°C, 0 - 95% RH					
	Cooling	Fan convection					
	Vibration resistance	10 - 50Hz, 2G 10min. 1cycle, 60min. each along X, Y, Z axes					
	Max. temperature rise	< 40°C on casing					
	Hi-Pot Insulation	i/p to o/p: 3000V (1 min)					
	Safety standards	IEC60950.1					
	EMC Emission	Parameter	standard			Test Level I Note	
Safety & EMC (Note 6)		Conducted	EN55032 FCC PART	Γ15		Class B	
		Radiated	EN55032 FCC PART			Class B	
		Harmonic Current EN61000-3-2			Cidoo B		
		Voltage Flicker EN61000-3-2					
	EMC IMMUNITY	1.1.0					
	MTBF	EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11					
OTHERS		30000H					
		265*134*60mm (L*W*H)					
		2300g					
NOTE	1. Modification for charger spand Green digital power 2. All parameters NOT specials. This is Green suggested charging current limitation. 4. Derating may be needed to 5. This protection mechanism 6. The battery charger is re-confirm that the who perform these EMC tests.	for details. ally mentioned are range. Please con under low input von is specified for the considered as able system com	e measured at 230 nsult your battery oltages. Please ch he case the short an independent plies with the El	OVAC input, rated lo manufacturer for the leck the derating cu- circuit occurs after unit, but the fina MC directives. For	ead and 25°C of ameir suggestions about the charger is turnal equipment still or guidance on h	nbient temperature out maximum s. ed on. need to	



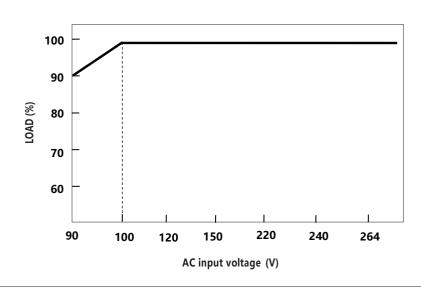
■ Block Diagram



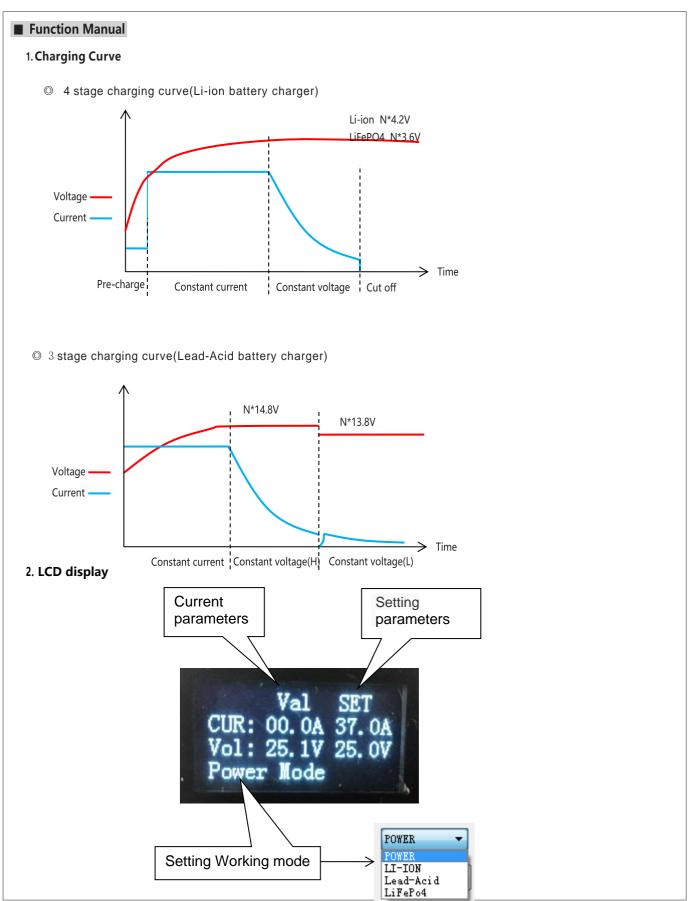
Derating Curve



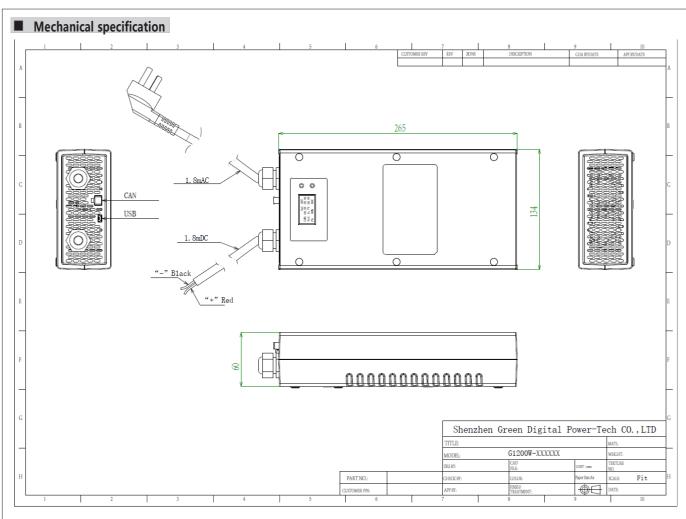
static Characteristics



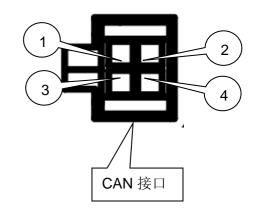








Communication Terminal Pin No. Assignment



Pin No.	Assignment
1	CANH
2	5V+
3	CANL
4	5V-