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Features

- •Charger for lithium batteries (Li-ion,LiFePO4and lithium manganese), Lead-Acid batteries and NIMH
- •Built- in 4 stage charging curve(For Lithium batteries) and 3 stage charging curve(For Lead-Acid batteries)
- •Universal AC input, wide range cover 90-264V
- •Small size, only 75*43*28mm
- •High efficiency, >91% at AC 90V input
- •Protection: Short circuit, OCP, OVP & reverse polarity
- 1 years warranty

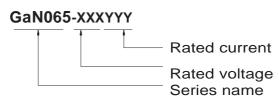
Applications

- •Power tools & Drones
- Electric scooter
- Surveillance system
- •Consumer electronic devices

■ Description

GaN065 is a single output 65W AC/DC desktop type charger with 4 and 3 stage charging curve, The different curves are suitable for different batteries, such as Lead- acid batteries (gel,flooded and AGM) and Lithium batteries (Li-ion, LiFePO4 and Lithium manganese).

■ Mode Encoding

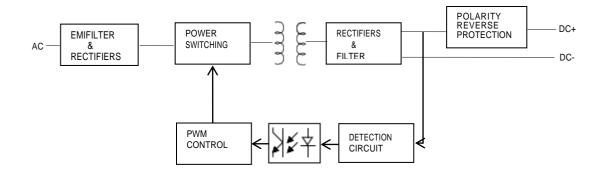




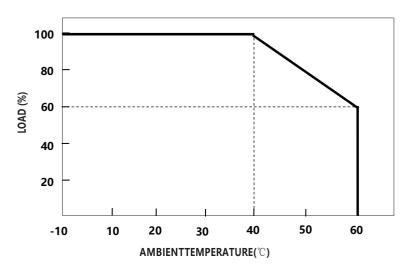
SPECIFICATION(Li-ion battery charger)

	MODEL	GaN065-084050	GaN065-126040	GaN065-168030	GaN065-210024	GaN065-294017
	Charge voltage	8.4V±1%	12.6V±1%	16.8V±1%	21.0V±1%	29.4V±1%
OUTPUT	Charge voltage range	5-8.4V	7.5-12.6V	10-16.8V	12.5-21.0V	17.5-29.4V
	Charge current	5A±10%	4A±10%	3.0A±10%	2.4A±10%	1.7A±10%
	Pre-charge current	1A±10%	0.8A±10%	0.6A±10%	0.48A±10%	0.34A±10%
	Charge-end current	≤0.5A ±20%	≤0.4A ±20%	≤0.3A ±20%	≤0.24A ±20%	≤0.17A ±20%
	Rated power	42W	50.4W	50.4W	50.4W	49.98W
	Recommended battery capacity	5 - 40Ah	4 - 30Ah	3.5 - 30Ah	3 - 30Ah	2 -20Ah
	Note.3			0.0 00/	0 00/	
	Leakage current from battery (Typ.)	≤2mA				
CHARGE NDICATOR	LED indication	LED1 on:25% Capacity; LED1 - LED2 on: 50% Capacity; LED1 - LED3 on: 75% Capacity; LED1 - LED4 on: 100% Capacity; LED1 - LED4 flashing: error				
	Rated input voltage	100 - 240VAC 50 / 60Hz				
INPUT	Input voltage range Note.4	90 - 264VAC				
	Power factor (Typ.)	PF>0. 55@AC100V, full load				
	Input current (Typ.)	1.2A@100VAC				
	Inrush current (Typ.)	Cold start 75A @230VAC				
	Standby input power	<0.5W	00.50/	100.50/	100.50/	100.50/
	Efficiency (Typ.)	91%	92.5%	92.5%	92.5%	92.5%
PROTECTION	Short circuit	Yes				
	Over voltage	Yes				
	Reverse polarity	Yes				
	Over temperature	<u> </u>				
ENVIRONMENT	Working temperature	-10 - +40℃ (Refer to " Derating Curve")				
	Working humidity	0 - 90% RH				
	Storage temperature, humidity	-40 - +70℃, 0 - 95% RH				
	Cooling	Natural convection				
	Vibration resistance	10 - 50Hz, 2G 10min. 1cycle, 60min. each along X, Y, Z axes				
SAFETY&E MC(Note.6)	Max. temperature rise	< 40°C on casing				
	Hi-Pot Insulation	i/p to o/p: 3000V (1 min)				
	Safety standards	IEC62368-1				
	EMC Emission	Parameter	Standard			Test Level I Note
		Conducted	EN55032FCCPART15		Class B	
		Radiated	EN55032FCCPART15			Class B
		Harmonic Current	EN61000-3-2			
		Voltage Flicker EN61000-3-3				
	EMC IMMUNITY	EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11				
OTHERS	MTBF	30000H				
	Dimension	75*43*28.5mm (L*W*H)				
	Weight	120g				
NOTE	and Green digital power 2. All parameters NOT specia 3. This is Green suggested in charging current limitation 4. Derating may be needed to 5. This protection mechanism 6. The battery charger is re-confirm that the who	rs NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature n suggested range. Please consult your battery manufacturer for their suggestions about maximum				

■ Block Diagram



■ Derating Curve



static Characteristics

