

POWERCELL GaN65-|Li126040 GaN Li-ion Charger for 3Cells 11.1V Li-ion Battery

- **Specification**
- Input: 100~240V
- Output: 12.6V 4.0A
- Charge Process: CC、CV (Two stages)
- Charger Indicator: Bi-color LED (Red: Charging; Green: Full charge)
- Output Protections: OVP、OCP、Shorted、Reversed
- Safety Approval: CE FCC
- Size: 75X43X28.5MM /120g
- Industry: Electrical Bike, Mobile Lamp



SPECIFICATION(Li-ion battery charger)

MODEL		GaN65-126040
OUTPUT	Charge voltage	12.6V±1%
	Charge voltage range	7.5-12.6V
	Charge current	4A±10%
	Pre-charge current	-
	Charge-end current	≤0.4A ±20%
	Rated power	50.4W

	Recommended battery capacity Note.3	4 - 30Ah
	Leakage current from battery (Typ.)	≤2mA
CHARGE INDICATOR	LED indication	Red: Charging. Green: Full or Idle
INPUT	Rated input voltage	100 - 240VAC 50 / 60Hz
	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
	Efficiency (Typ.)	92.5%
PROTECTION	Short circuit	Yes
	Over voltage	Yes
	Reverse polarity	Yes
	Over temperature	-
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	Natural convection
	Vibration resistance	10 - 50Hz, 2G 10min. 1cycle, 60min. each along X, Y, Z axes
SAFETY&EMC	Max. temperature rise	< 40°C on casing

(Note.6)	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	1. 1.Modification for charger specification may be required for different battery specification. Please contact battery vendor and Green digital power for details. 2. 2.All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 3. 3.This is Green suggested range. Please consult your battery manufacturer for their suggestions about maximum charging current limitation. 4. 4.Derating may be needed under low input voltages. Please check the derating curve for more details. 5. 5.This protection mechanism is specified for the case the short circuit occurs after the charger is turned on. 6. 6.The battery charger is considered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the EMC directives. 7.AC Inlet is ICE320-C8, DC cord is 1.5m 2*18AWG wires, DC terminal is defined when order.			