

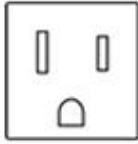

## Features

- Protecting the input reverse polarity by its internal circuit
- Fan-less quiet operation (natural convection)
- The wide range of operating temperature (-20~60°C)
- Switching output voltage/frequency easily by button
- Pure sine wave output (total harmonic distortion less than 3%)
- Light weight and thin design
- High efficiency (88~90% efficiency at rated load)
- Built-in remote-control function
- Abundant protective circuit
- Buzzer ON/OFF, LED brightness switchable
- With low power mode and sleep mode setting
- Wide input voltage range
- Input terminal cover for dust prevention



## Specification

MODEL		GD150NA -112	GD150NA -124	GD150NA -148	GD150NU -212	GD150NU -224	GD150NU -248
Input	Battery Voltage	12V	24V	48V	12V	24V	48V
	Voltage Range*1	10.5~17Vdc	21~34Vdc	42~68Vdc	10.5~17Vdc	21~34Vdc	42~68Vdc
	Current Range	10~16 A	5~8A	2.5~4A	10~16 A	5~8A	2.5~4A
	No-load Current*2 (Low power mode)	0.38A	0.19A	0.10A	TBD	TBD	TBD
	No-load Current*2 (Normal mode)	0.61A	0.34A	0.18A	TBD	TBD	TBD
	Standby Mode Consumption*2	7mA	7mA	4mA	7mA	7mA	4mA
	Sleep Mode Consumption	TBD	TBD	TBD	TBD	TBD	TBD
	Efficiency at Rated Load	89%	89%	90%	88%<		
Output	Rated Power	150VA					
	Peak Power (3min.)	180VA					
	Surge Power (3sec.)	210VA					
	AC Voltage	100 default, 110/115/120Vac, switchable			200 default, 220/230/240Vac, switchable		
	Frequency	50±0.1Hz default, 50/60Hz, switchable					
	Waveform	Sine Wave, <3%THD					
	Voltage Tolerance	±3.0%					
	LED indicators	Operating status, Battery voltage level, Output power level, Protection function, Operation setting					
Function	Remote-control	Output remote ON/OFF control terminal					
	Option terminal	Six-position four-conductor (6P4C) modular jack					
Protection	Input	UVP*3, OVP*4, input reverse polarity					
	Output	OLP*5, SCP*6, output voltage error					
	Others	OTP*7, detect by internal temperature sensors					
Environment	Operating Temperature	-20~+60°C			TBD		
	Operating Humidity	20~90%RH non-condensing					
	Storage Temperature/ Humidity	-30~+70°C, 10~95%RH					
	Vibration	10~500Hz, 3G 10min./ 1cycle, 60mins. XYZ axes					

<b>Safety &amp; EMC</b>	Safety Standards	EN60950-1:2006/A2:2013		
	Withstand Voltage	Battery I/P-AC O/P: 3.0kVac AC O/P-Ground: 1.5kVac Battery I/P-Ground : 1.5kVac		
	Isolation Resistance	Battery I/P- AC O/P: >1000MΩ/500Vdc/25°C/70% RH ACO/P -Ground: >1000MΩ/500Vdc/25°C/70% RH Battery I/P - Ground: >1000MΩ/500Vdc/25°C/70% RH		
	EMC Immunity	EN55024:2010		
	EMC Emission	EN55032:2012, FCC class A	EN55032:2012	
<b>Others</b>	Dimensions (LxWxH)	234.0x146.5x44.0mm		
	Weight	0.9kg	TBD	
	Socket Type	 NEMA 5-15R	 Universal	

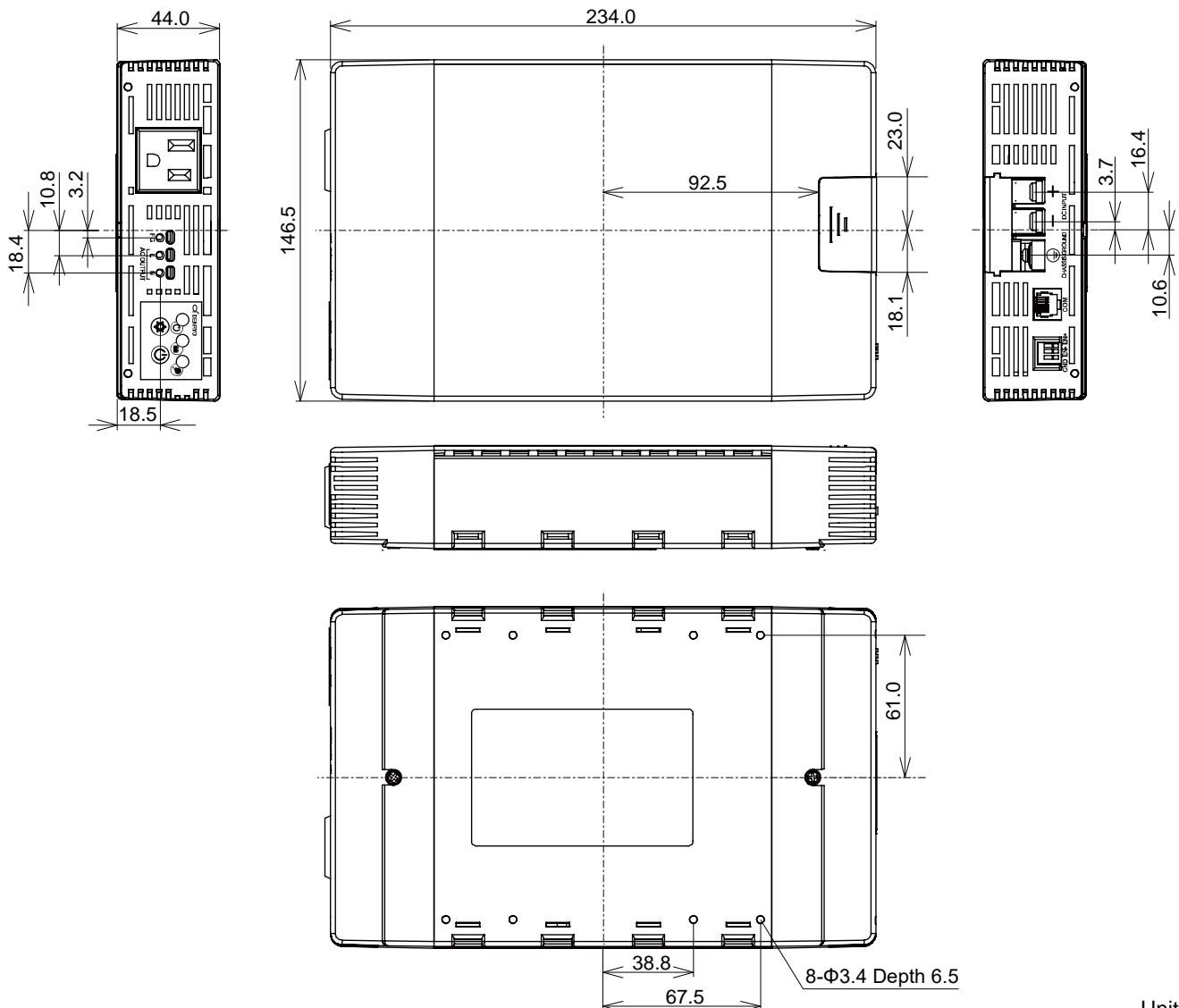
All parameters NOT specially mentioned are measured at 112/212: 12Vdc, 124/224: 24Vdc, 148/248: 48Vdc input, 150VA rated load, power factor=1.0, 25°C of ambient temperature and under the default setting.

\*1 Tolerance of voltage: 112/212: ±0.5V, 124/224: ±1V and 148/248: ±2V.

\*2 Average.\*3 UVP: Under Voltage Protection.\*4 OVP: Over Voltage Protection.\*5 OLP: Over Load Protection.

\*6 SCP: Short Circuit Protection.\*7 OTP: Over Temperature Protection.

## ■ Dimensions



Unit [mm]