

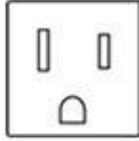
Features

- Connected in parallel up to 6 units
- Power expansion up to 1.8kVA without fan
- Original synchronous control technology
- Simple parallel connection
- N+1 redundancy
- Wide input voltage range
- Protecting the input reverse polarity by internal circuit
- Fan-less quiet operation (natural convection)
- The wide range of operating temperature
- Switching output voltage/frequency easily by button
- Pure sine wave output
- Light weight and low-profile
- Built-in remote-control function
- Abundant protective circuit
- Buzzer ON/OFF, LED brightness switchable
- Input terminal cover for dust prevention
- High quality Japanese design



Specification

MODEL		GR300NA-112	GR300NA-124	GR300NA-148
Input	Battery Voltage	12V	24V	48V
	Voltage Range*1	10.5~19.5Vdc	21~39Vdc	42~78Vdc
	Max Current (Rated power)	33A	16A	8A
	No-load Current*2 (AC output enable)	0.6A	0.2A	0.1A
	No-load Current*2 (AC output disable)	0.3A	0.1A	<0.1A
	Standby Mode Consumption*2	8mA	7mA	4mA
	Sleep Mode Consumption*2	1mA	3mA	2mA
	Efficiency at Rated Load	88%	89%	89%
Output	Rated Power	300VA		
	Peak Power (3min.)	360VA		
	Surge Power (3sec.)	420VA		
	AC Voltage (Switchable)	100 default /110/115/120Vac±3%		
	Frequency (Switchable)	50±0.5Hz default, 50/60Hz		
	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	Under voltage protection, Over voltage protection, Input reverse polarity		
	Output	Over load protection, Short circuit protection, Output voltage error		
	Others	Over temperature protection (Detect by internal temperature sensors)		
Environment	Operating Temperature (Refer to De-rating Curve)	-20~+30°C at rated load, +60°C at 60% load	-20~+45°C at rated load, +60°C at 80% load	

	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
Safety & EMC	Safety Standards	Certified EN62368-1
	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
	EMC Emission	EN55032
Others	Socket Type	 NEMA 5-15R
	Dimensions (L×W×H)	234.0×146.5×44.0mm
	Weight	0.9kg

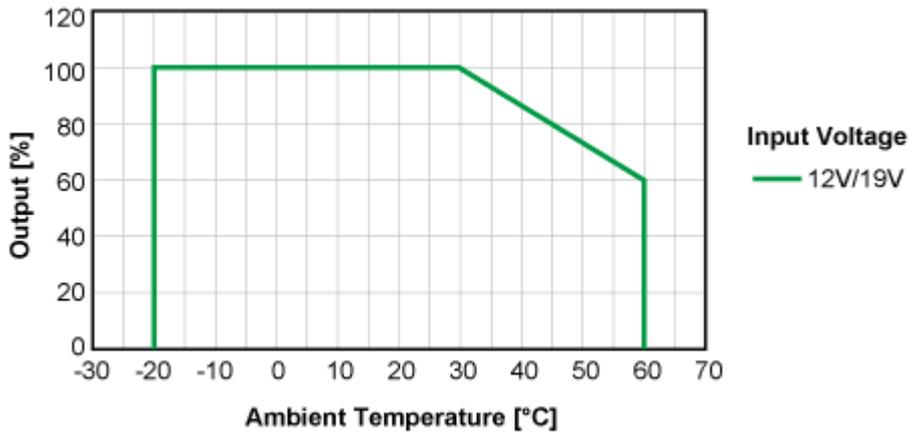
All parameters NOT specially mentioned are measured at 112/212: 12Vdc, 124/224: 24Vdc, 148/248: 48Vdc input, 300VA rated load, power factor=1.0, 25°C of ambient temperature and under the default setting.

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

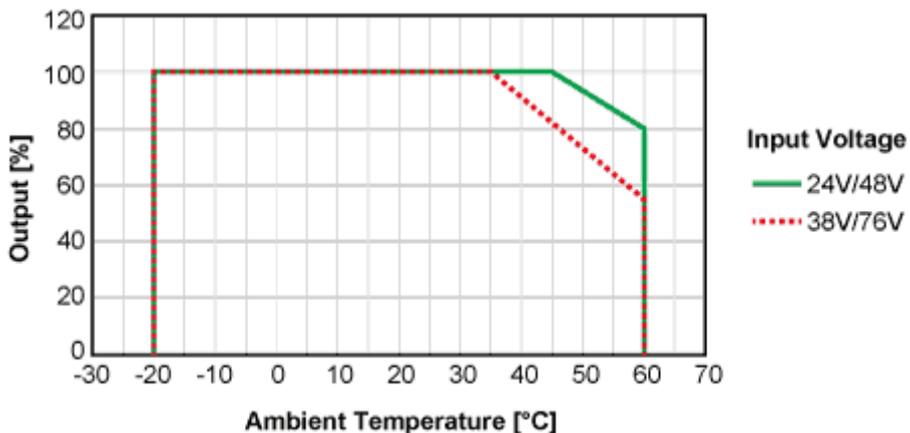
*2 Average.

De-rating Curve

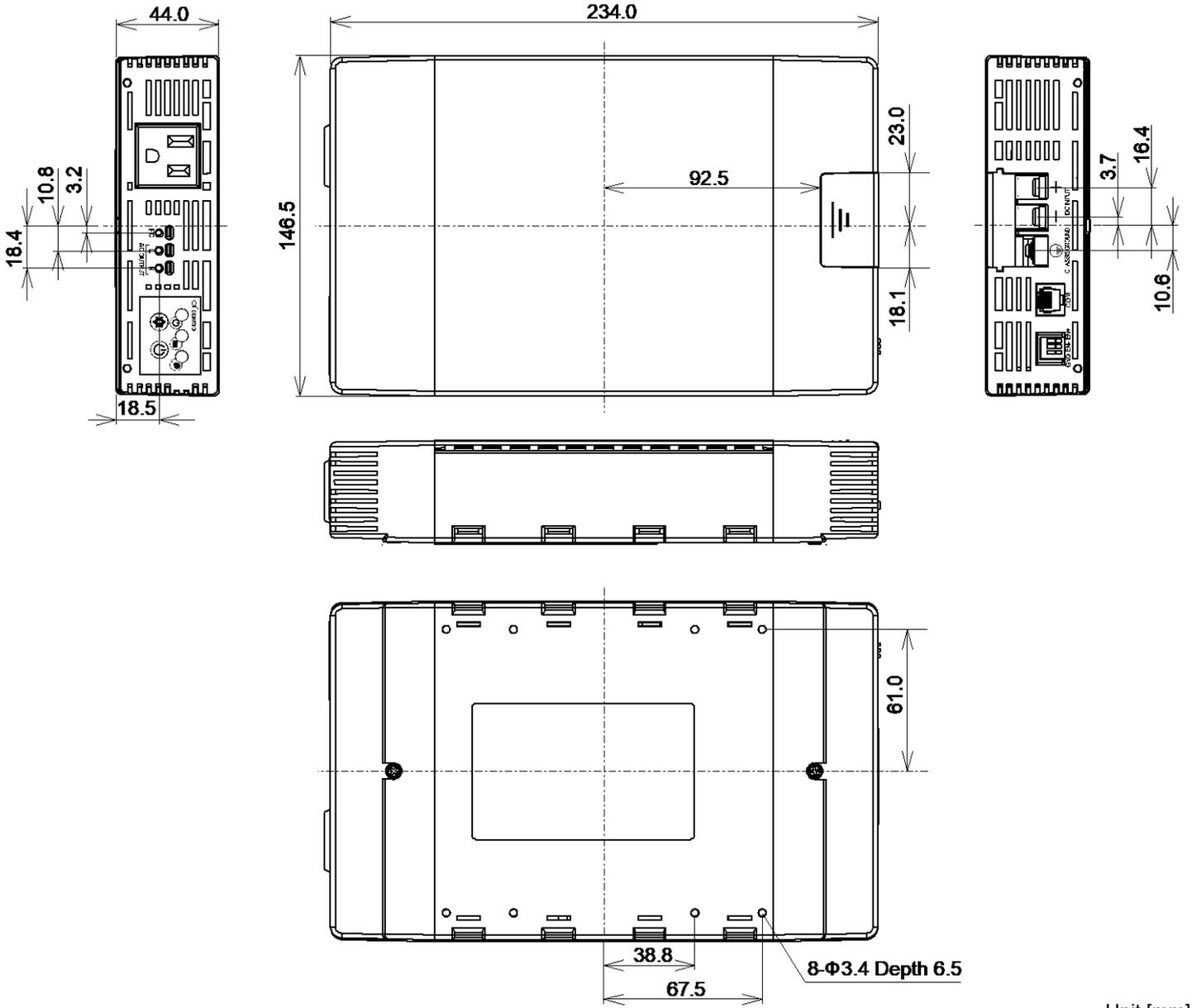
• GR300NA-112



• GR300NA-124/148



■ Dimensions



Unit [mm]