

Features:

- Zero transfer time
- Standard 19" 2U rackmount
- Selectable DC Mode / AC Mode
- High efficiency up to 97% at AC Mode
- Dual input sources (AC & DC)
- Up to 32 modules can be connected in parallel
- Hot swappable module design
- Replacable fan module to make maintenance easily
- Input Protection: Reverse Polarity / Under Voltage / Over Voltage
- Output Protection: Short Circuit / Over Temperature
- Unity power factor at AC input
- Wide AC&DC input range 150Vac to 265Vac / 36Vdc to 68Vdc with stable AC output 230Vac.

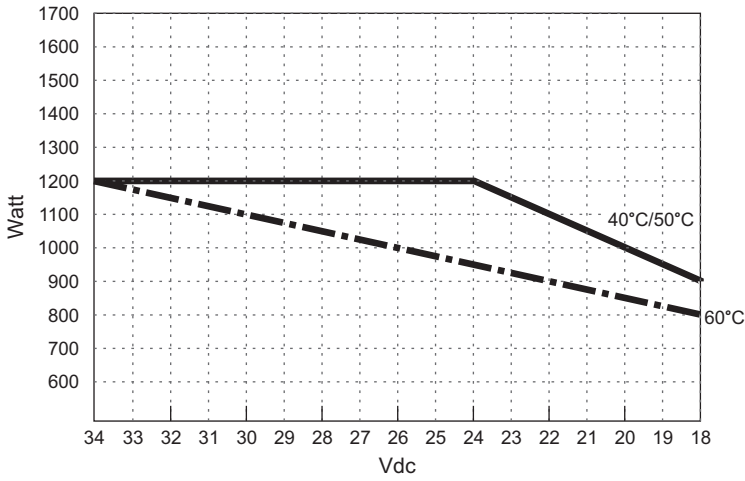


MODEL		SR-1600-124	SR-1600-148	SR-1600-224	SR-1600-248
AC Output	Rating Power	1200W / 1600VA	1600W / 1600VA	1200W / 1600VA	1600W / 1600VA
	Short time overload capacity	150% 15 sec.			
	Nominal voltage (AC)	120VAC			230VAC
	Output voltage range (AC)	100 - 120VAC ±3%			200 - 240VAC ±2%
	Efficiency AC mode	96%			97%
	Efficiency DC mode	89%	90%	90%	91%
	Frequency range	50 / 60Hz			
	Frequency accuracy	±0.01%			
	THD (above 50% resistive load)	<3%			
	Turn on delay	<10 sec.			
AC Input	Crest factor at nominal power	DC Mode : 3In※ / AC Mode : 6In※		DC Mode : 3In※ / AC Mode : 10In※	
	Nominal voltage (AC)	120VAC			230VAC
	Voltage range (AC)	75 ~ 132VAC ±3%			150 ~ 265VAC ±2%
	Power Factor @ Rating Power	>0.99			
	Frequency range	50 / 60Hz			
DC Input	Synchronization range	47 ~ 53Hz, 57 ~ 63Hz			
	Nominal voltage (DC)	24VDC	48VDC	24VDC	48VDC
	Voltage range (DC)	18 ~ 34VDC ±3%	36 ~ 68VDC ±3%	18 ~ 34VDC ±3%	36 ~ 68VDC ±3%
	Nominal current (at 24Vdc / 48Vdc)	56A	37A	56A	37A
Signal & Control	Maximum input current (15 sec.)	90A	60A	90A	60A
	Indicator	LED			
Protection	Advanced control	RS485 control interface			
	Failure indication	Buzzer alarm			
	DC Input	Over / Under Voltage, Reverse Polarity			
Transfer Performance	AC Input	Over / Under Voltage, Over Current			
	Output	Short-Circuit, Overload, Over Temperature			
Environment	Inverter to Utility AC	0 sec.			
	Utility AC to Inverter	0 sec.			
	Operating Temperature	-25°C ~ 40°C; refer to SR-1600 power de-rating curve			
	Storage Temperature	-40°C ~ 70°C			
Safety & EMC	Relative humidity	95%, non-condensing			
	Vibration	BS EN 61373			
	Safety Standards	Meet UL 60950-1		Certified EN 60950-1	
Others	EMC Standards	Certified FCC Class B		Certified EN 55022 Class B; EN 61204-3; EN 55024; EN 61000-3-2, -3-3, -6-1, -6-3; IEC 61000-4-2, 3, 4, 5, 6, 8, 11	
	Dimension (WxHxD) Module	105x83x410 mm / 4.13x3.27x16.14 inch			
	Dimension (WxHxD) Shelf	446x85x509 mm / 17.56x3.35x20.04 inch			
	Weight (Module / Shelf)	3.8KG / 6.5KG			

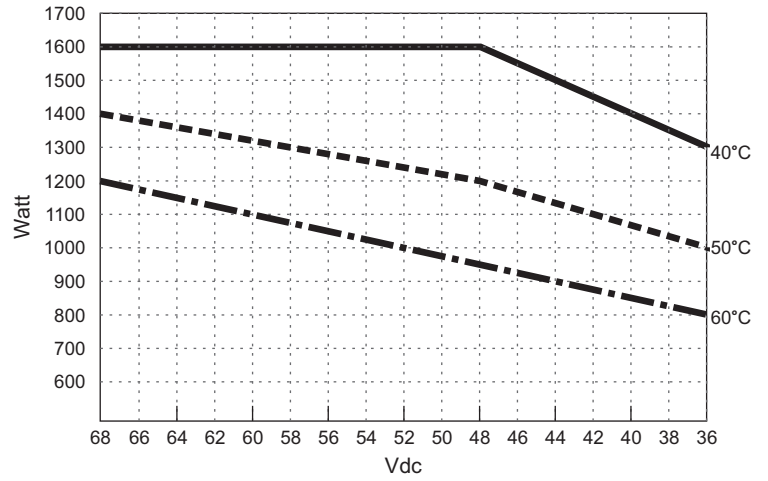
※In = Nominal Current

■ **De-rating Curve**

SR-1600-124/224:



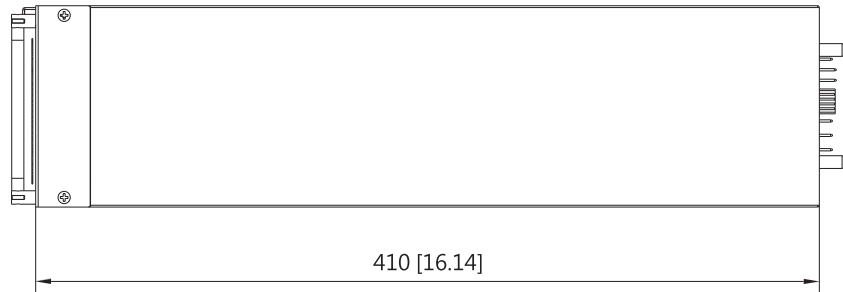
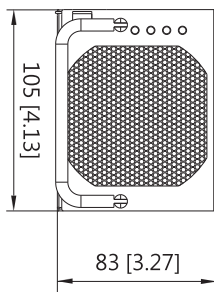
SR-1600-148/248:



■ **Mechanical Specification of single unit**

Module:

Unit : mm / inch



Shelf:

