

Feature:

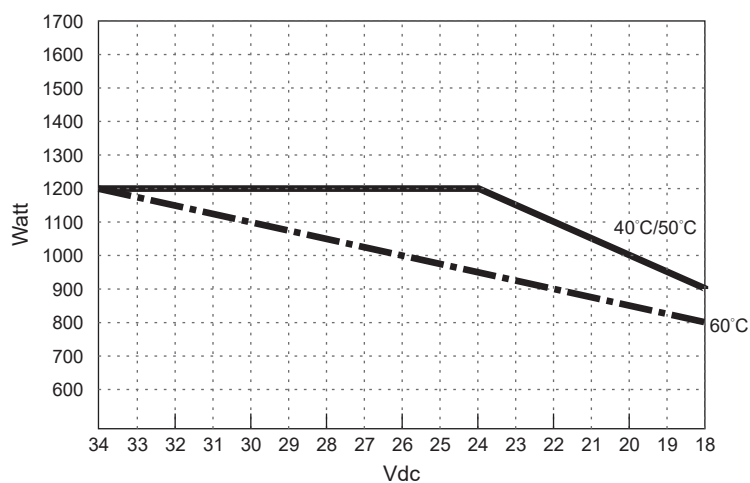
- Zero transfer time
- Standard 19" 2U rackmount
- Selectable DC Mode / AC Mode (AC Sharing)
- High efficiency up to 95% at AC Mode
- Dual input sources (AC & DC)
- Up to 32 modules can be connected in parallel
- Hot swappable module design
- Replacable fan module to make maintenance easily
- Input Protection: 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
- Modbus Protocol Communication



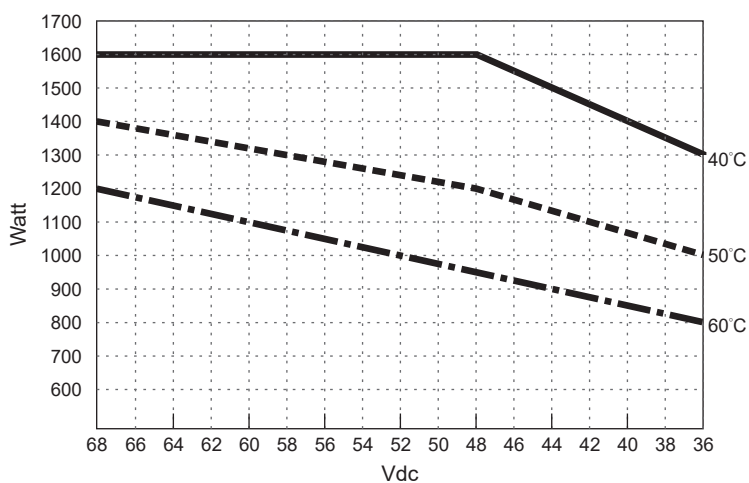
Model No.		SR-1600 PLUS-124	SR-1600 PLUS-148	SR-1600 PLUS-224	SR-1600 PLUS-248
AC Output	Rating Power	1200W / 1600VA	1600W / 1600VA	1200W / 1600VA	1600W / 1600VA
	Overload capacity	150% 15 sec.			
	Nominal voltage (AC)	120VAC			230VAC
	Output voltage range (AC)	100 - 120VAC $\pm 3\%$			200 - 240VAC $\pm 2\%$
	Efficiency AC mode (Max.)	94%			95%
	Efficiency DC mode (Max.)	89%	90%	90%	91%
	Frequency range	50 / 60Hz			
	Frequency accuracy	$\pm 0.01\%$ (DC Mode)			
	THD (above 80% resistive load)	<3%			
	Turn on delay	<10 sec.			
	Crest factor at nominal power	DC Mode : 3In※ / AC Mode : 6In※			DC Mode : 3In※ / AC Mode : 10In※
AC Input	Nominal voltage (AC)	120VAC			230VAC
	Voltage range (AC)	90 ~ 132VAC $\pm 3\%$ (adjustable from 75V to 132.5V)			180 ~ 260VAC $\pm 2\%$ (adjustable from 150V to 265V)
	Power Factor @ Rating Power	>0.99			
	Frequency range	50 / 60Hz			
	Synchronization range	47 ~ 53Hz, 57 ~ 63Hz			
DC Input	Nominal voltage (DC)	24VDC	48VDC	24VDC	48VDC
	Voltage range (DC)	18 ~ 34VDC $\pm 3\%$	36 ~ 68VDC $\pm 3\%$	18 ~ 34VDC $\pm 3\%$	36 ~ 68VDC $\pm 3\%$
	Nominal current (at 24Vdc / 48Vdc)	56A	37A	56A	37A
	Maximum input current (15 sec.)	90A	60A	90A	60A
Signal & Control	Indicator	LED			
	Advanced control	RS485 control interface (Modbus), CR-21 LCM (Optional), SN-1 SNMP (Optional)			
	Failure indication	Buzzer alarm			
	Historical Record	Event Log			
Protection	DC Input	Over / Under Voltage, Reverse Polarity			
	AC Input	Over / Under Voltage, Over Current			
	Output	Short-Circuit, Overload, Over Temperature			
Transfer Performance	Inverter to Utility AC	0 sec.			
	Utility AC to Inverter	0 sec.			
Environment	Operating Temperature	-25°C ~ 40°C ; Power De-rating from 40°C to 60°C			
	Storage Temperature	-40°C ~ 70°C			
	Relative humidity	95%, non-condensing			
	Vibration	Meet BS EN 61373			
Safety & EMC	Safety Standards	Meet UL 62368-1			EN 62368-1
	EMC Standards	Certified FCC Class B			EN 55032: 2015+A11:2020
					EN 55035: 2017 / A11: 2020
Others	Dimension (WxHxD) Module	105x83x410 mm / 4.13x3.27x16.14 inch			
	Dimension (WxHxD) Shelf	446x85x509 mm / 17.56x3.35x20.04 inch			
	Weight (Module / Shelf)				

De-rating Curve

SR-1600 PLUS -124/224:



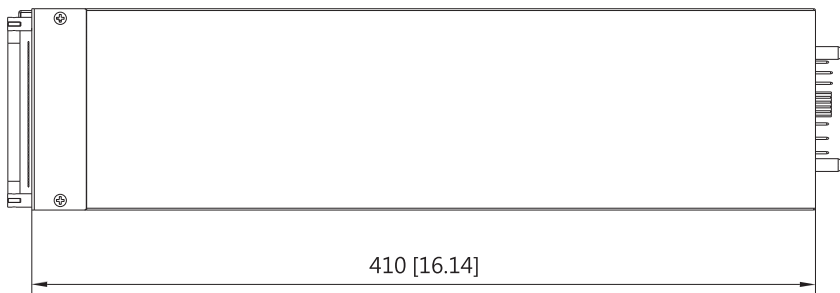
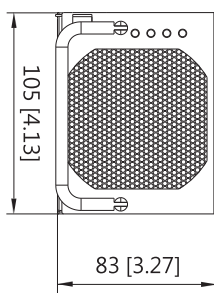
SR-1600 PLUS -148/248:



Mechanical Specification of single unit

Module:

Unit : mm / inch



Shelf:

