



NOTES:

- 1) Bypass and Rectifier input must be connected with clockwise phase rotation.
- 2) For eBoost operating mode, the Bypass input must be fed from a grounded-WYE electrical system(4 Wire+Ground). Consult factory for 3-wire Input sytem.
- 3) UPS is configured for single input as standard. A dual input option is available. Please contact General Electric for additional information.
- 4) An external battery breaker must be provided that includes a 24VDC undervoltage release and Aux contacts.
- 5) Verify trip curves of DC breaker for correct size.
- 6) UPS designed for installation in an electrical system with 65kA.
- 7) Assumes 100% rated circuit breaker. Verify size for application of 80% rated breaker.

The AC values below are current ratings per phase.
 These maximum and nominal ratings should be considered when choosing the appropriate AC over current protection device.
 NEC(National Electric Code) Section 210-20a rules must be applied.
 DC current rating is the maximum battery discharge current which the UPS allows.

Module	AC Input Rectifier		AC Input Bypass	AC Input		DC Input F4 (See Note 4&5)
	Nom.	Max.		Nom.	Max.	
400kVA With 5th filter	512A	615A	481A	512A	615A	702A
400kVA With 11th filter	493A	592A	481A	493A	592A	702A
500kVA With 5th filter	617A	708A	602A	617A	708A	960A
500kVA With 11th filter	594A	682A	602A	594A	682A	960A

Size of Branch circuit over current protection – All Models: –
 "CAUTION – To Reduce the risk of fire, only connect UPS to the circuit provided with (see below) Maximum amperes branch circuit over current protection in accordance with the NEC, NSI/NFPA 70"

Module	AC Input rectifier	AC Input Bypass	AC Input	DC Input F4 (See Note 4&5)
	F1 (Note. 7)	F2 (Note. 7)	F3 (Note. 7)	
400kVA With 5th filter	800A	700A	800A	1000A
400kVA With 11th filter	800A	700A	800A	1000A
500kVA With 5th filter	1000A	800A	1000A	1200A
500kVA With 11th filter	1000A	800A	1000A	1200A

GENERAL ELECTRIC COMPANY

ELECTRICAL DETAIL

SG Series Uninterruptible Power Supply (UPS) 400-500kVA UL listed with eBoost™ techonology

FIRST MADE FOR: ---

SIZE B	CAGE CODE ---	DWG NO 202 00086 01	
SCALE: -	DWG Date	06/04/2012	SHEET 1 of 1

REV : 3.0