

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)
	F1	F1		F3	F3	
	Nom.	Max.		Nom.	Max.	
225kVA With 5th filter	338A	380A	271A	338A	380A	444A
300kVA With 5th filter	451A	490A	381A	451A	490A	582A

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)	
225kVA With 5th filter	450A	350A	450A	600A
300kVA With 5th filter	600A	500A	600A	700A

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 system.
- 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) DC over current protection sized to support maximum DC current.
- 6) UPS designed for installation in an electrical system with 65kA available fault current.
- 7) Assumes minimum 100% rated circuit breaker. Verify size for application of 80% rated breaker.



GE Energy
Digital Energy

GENERAL ELECTRIC COMPANY

ELECTRICAL DETAIL

SG Series Uninterruptible Power Supply (UPS)
225-300kVA UL listed with eBoost™ technology

FIRST MADE FOR: ---

SIZE B	CAGE CODE ---	DWG NO 202 00085 01	
SCALE: -		DWG Date 06/04/2012	SHEET 1 of 1

REV : 4.0