



SEE NOTE 3

- NOTES:**
- 1) BYPASS INPUT REQUIRES 3ph + N + GND INPUT.
 - 2) BYPASS AND RECTIFIER INPUT MUST BE CONNECTED WITH CLOCKWISE PHASE ROTATION
 - 3) UPS IS CONFIGURED FOR SINGLE INPUT AS STANDARD. UPS MAY BE CONFIGURED FOR DUAL INPUT BY REMOVING THE JUMPERS BETWEEN THE RECTIFIER AND BYPASS INPUTS. SEE INSTALLATION MANUAL FOR DETAILS.

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 210-20 a rules must be applied. DC current rating is the maximum battery discharge current which the UPS allows.

	AC Input Rectifier		AC Input Bypass	AC Input Single Input Configuration		DC Input
	Nom.	Max.		Nom.	Max.	
SG Series 50 kVA	65.5 A	81 A	60.1 A	65.5 A	81 A	100 A
SG Series 80 kVA	104.7 A	125 A	96.2 A	104.7 A	125 A	159 A

Size of Branch Circuit Over current Protection - All Models: - "CAUTION - To reduce the risk of fire, only connect UPS to a circuit provided with (See below) maximum amperes branch circuit over current protection in accordance with the NEC (National Electric Code), NSI / NFPA 70

	AC Input Rectifier	AC Input Bypass	AC Input Single Input Configuration	DC Input
SG Series 50 kVA	110 A	80 A	110 A	110 A
SG Series 80 kVA	175 A	125 A	175 A	200 A



TITLE: **ELECTRICAL DETAIL**
DIGITAL ENERGY SG SERIES 50-80kVA

FIRST MADE FOR: ---

SIZE: A	CAGE CODE: ---	DWG NO: 2000009301
SCALE: NONE		SHEET 1 OF 1