



- NOTE:
- 1) Bypass and Rectifier input must be connected with clockwise phase rotation.
 - 2) UPS is configured for single input as standard. UPS may be configured for dual input by removing the jumpers between Rectifier and Bypass Inputs.
 - 3) An external battery breaker must be provided that includes a 24VDC undervoltage release and Aux contacts.
 - 4) UPS designed for installation in an electrical system with 100kA
 - 5) Assumes 100% rated circuit 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.

USP rating	Power Block QTY	Rectifier AC input		Bypass AC input	DC input (See Note 3)
		Nom.	Max.		
1500 kVA / 1500 kW	4	1890 A	2058 A	1805 A	3582 A
1600 kVA / 1600 kW	4	2015 A	2185 A	1925 A	3820 A

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 according with the NEC, NSI / NFPA 70"

USP rating	Rectifier AC input	Bypass AC input	DC input (See Note 3) 100%
	100% Rated Bkr	100% Rated Bkr	
1500 kW / 1500 kVA	2500 A	2000 A	4000 A
1600 kW / 1600 kVA	2500 A	2000 A	4000 A

Draw	Barbarani R.	25.03.20
Checked	Balbiano C.	25.03.20
ECN	Name	Revision
		2
		13.08.21



Power Protection
 6572-Quartino, Switzerland

UPS Single Line Diagram

ABB MegaFlex
 1500kVA to 1600kVA 3ph UL

Product Upgrade Letter: A	
Series: 1	0001186356
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