

Powerware® Sola 200

3kVA to 22kVA Power Conditioners



The extension of Sola ferroresonant power conditioners continues through to 22kVA. These units are mostly suited to hard-wired, fixed installation applications for providing smooth step-less control of the output voltage, attenuation of harmful impulses or surges and other power line disturbances. Sola 200 power conditioners are ideally suited to provide protection in computer rooms, regulation for scientific instrumentation, plus protection and regulated power to sophisticated computer based factory process equipment. To simplify installation, all units are free standing and fitted with castors (excluding 22kVA) and jacking feet. Connections are provided at the rear via a base plate cable entry to an isolation switch.

The flexibility of Sola 200 power conditioners is increased on units between 7.5kVA and 18kVA. These units can be field configured for single phase or three phase operation with 230 Volt taps provided as standard on 240 Volt In/Out models. Sola 200 power conditioners (3 to 22kVA) incorporate approved surge withstand capabilities, as required by ANSI/IEEE C62.41-1980.

SPECIFICATIONS	
INPUT	
Voltage:	220 or 240 Volt AC (Refer "Ordering Details" for configuration options)
Frequency:	50 Hz
Input Voltage Range:	+ 10%, -20% (±40%)
Protection:	ANSI/IEEE C62.41-1980 A and B waveforms suppressed to safe levels.
OUTPUT	
Nominal Voltage:	220 or 240 Volt AC
Frequency:	50 Hz
Voltage Regulation:	±3% for +10%, -20% input. +5%, -8% for ±40% input.
Control:	AC on/off switch
POWER	
Efficiency:	90%
Response/Correction Time:	Return to regulation envelope within 30 msec.
Dynamic Response:	Continuous and smooth correction for input voltage fluctuations.
OVERLOADS	
	200% of rated load for 10 seconds without damage. 500% of rated load for 10 msec.
ELECTRICAL NOISE ATTENUATION	
Transverse Mode:	60 dB typical, (80 dB max.) 4kHz to 20 MHz
Common Mode:	120 dB typical, (140 dB max.) 2kHz to 1 MHz
OUTPUT HARMONIC DISTORTION	
	Less than 3% THD on linear loads. No greater than 5% on typical computer loads.
ENVIRONMENTAL	
Operating Ambient:	-20°C to +50°C
Relative Humidity:	0 to 95% non-condensing
Ventilation:	Natural Convection Cooled
STATUS INDICATION	
Power On:	Amber lamp
OVERLOAD PROTECTION	
	Output short circuit protection
WARRANTY	
	5 years

Built to protect

- Remote computer peripherals
- Copiers and laser printers
- Process control equipment
- CNC machinery
- Programmable logical controls (PLC)
- Photographic equipment
- Entire installations

ORDERING DETAILS				
Rated Output kVA	*Part Number	Configuration	Weight (kg)	Enclosure Size (Note 5)
3	200-26-730	1 Phase only	100	1
3	200-26-730-00**	1 Phase only	100	1
5	200-26-750	1 Phase only	155	2
5	200-26-750-HO***	1 Phase only	155	2
7.5	200-26-775****	1 or 3 Phase	215	2
9	200-26-790****	1 or 3 Phase	270	2
12	200-26-812M****	1 or 3 Phase	360	3
15	200-26-815****	1 or 3 Phase	420	3
18	200-26-818****	1 or 3 Phase	520	3
22.5	200-46-822****	3 Phase only	595	4

Notes:

- * For units with nominal input/output voltage of 220 specify -44-, as in 200-44-730
- ** Units fitted with WIP 15 plug and 4 x 10/15 Amp screw sockets
- *** Units fitted with input terminal block and 4 x 10/15 amp screw sockets
- To avoid nuisance tripping of input circuit breakers, we recommend the use of Heinemann CF1 (curve 1) type for single phase units and Heinemann CF3 (curve 1) for three phase units. Current rating should be at least one size larger than input current stated on unit data plate. See manual or consult your Sales Representative for further details.
- Enclosure Sizes (mm):
Size 1: 600 (H) x 400 (W) x 440 (D)
Size 2: 995 (H) x 525 (W) x 550 (D)
Size 3: 990 (H) x 800 (W) x 550 (D)
Size 4: 1236 (H) x 800 (W) x 550 (D)
- **** 3 Phase loads to be star connected only. Power Conditioners **NOT** to be used for Delta loads.

