








CVT

Constant Voltage Transformer, Fuse Protection, Copper 100%, SCV05

CAPACITY IN VA	INPUT VOLTAGE RANGE IN VOLT	EFFICIENCY % AT FULL LOAD	OUTPUT VOLTAGE IN VOLT
500	180 - 280	> 90%	220

Key Features & Benifits

-  Good surge suppressors as they provide high isolation.
-  Perfect remedies for all type of electronic equipments.
-  Designed with complete protections against power related problems.
-  No semiconductors or moving parts used hence very high reliability.
-  Output voltage correction within ½ cycle (10 ms) from no load to full load for specified load and line variation.
-  Higher input voltage control range, for loads less than rated load.
-  Very high line transient/spike rejection capability and excellent input to output isolation characteristics.

APPLICATIONS

- ❖ Petrol Pumps
- ❖ Bio Medical Equipments
- ❖ Data Processing Equipments
- ❖ Colour Labs



Technical Specifications

Model	SCV05-180
Capacity Rating	500VA
Input Voltage Range	180 V to 280 V
Line Frequency	50 Hz \pm 1%
Effect of Frequency	1.6 % (approx) change in output voltage for every 1% change in line frequency
Output Voltage	220V \pm 1%
Output Socket Quantity	3 nos.
Output Socket Current Rating	6 Amp
Input Cord Length	1 meter
Correction rate	250 Volts per second
Response Time	30 milliseconds
Output Wave Form	Sinusoidal
Harmonic Distortion	Less than 3% at full load and rated Voltage
Wave from Distortion	5% (approx) under full load conditions
Output Step Load Response	2 cycles (30 to 40 milliseconds)
Regulation (Load)	1.5% against 25% to 100% load
Load power Factor	0.75% lag to 0.9% lead
Audible Noise	40 to 60 db
Efficiency	90% (approx) under full load conditions
Efficiency Frequency	47.5 Hz to 52.5 Hz
Enclosure	Powder coated Siemens Grey, ventilated M.S. Cabinet
Transformer Type	Ferro-resonant
Windings	Copper
Input / Output Isolation	Very high resulting in suppression of spikes, surges and transients.
Front Panel Display, Indications & Control	65mm Analog Voltmeter (0-300V) for Output Voltage LED for Input On/Off Push Button to display Output Voltage Switch for Input Off
Protections	Fuse at Input
Dimensions (in mm)	305x240x180
Weight (in Kg)	11
Ambient Temperature	Temperature :5 to 50°C
Relative Humidity	RH : 0-95% (Non Condensing)

Note: HPCS is continuously upgrading its products that may lead to change in specifications.

Manufacturing Unit:

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