

TECHNICAL SPECIFICATION & FEATURE: SES-150SPE-12

INPUT POWER	VOLTAGE	415V AC rms \pm 10%
	FREQUENCY	50/60 Hz
OUTPUT POWER	VOLTAGE	150V DC
	CURRENT	12 Amps continuous 15Amps for 10sec
SENSING	VOLTAGE	415V AC 2line sensing, AVR senses true average of the line to line waveform.
BUILD-UP VOLTAGE	VOLTAGE	Min 2.5V AC at V & N terminals of the AVR.
VOLTAGE REGULATION	% REGULATION	$\leq \pm 1\%$ at AVR sensing terminals
STABILITY ADJUSTMENT	STABILITY	Adjustment through potentiometer to get steady state stability and good transient response.
UNDER SPEED PROTECTION	FREQUENCY	Settable between 40Hz to 60Hz Slope 2pu
EXTERNAL VOLTAGE ADJUSTMENT	VOLTAGE	$\pm 10\%$ terminal voltage (using 2k/2.5k pot)
QUADRATURE DROOP	%DROOP	10% (max) for 5A input corresponding to 1pu line current.
RESPONSE TIME	TIME	Less than 75milli seconds.
CLOSED LOOPED RESPONSE	TIME	0.5 secs to recover 98% of the set voltage for a field forcing ratio of 1:2.
VOLTAGE DRIFT	Less than $\pm 1\%$ for 30°C change in Ambient.	

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OPERATING TEMPERATURE	TEMPERATURE	-20°C to + 60°C
	Less than 10W	
DIMENSIONS (in mm)	OVERALL	225 X 192 X 45
	MOUNTING	205 X 165
	WEIGHT	1.5kg.

