KL Series Technical Specifications

Input : 230V ±10%, 47 ÷ 66Hz, 10A typ.

OVP Trip Range: From 0 to 115%

Max Inrush Current : 20A

Cooling: Controlled forced air

Input Protection : Fuse and 15A circuit breaker

Ambient Temperature: Operating: 0 ÷ +50°C Storage: -20 ÷ +70°C

Meters Accuracy : ± 0.5% ± 1 digit

Dimensions : 132 x 483 x 500 (H x W x D)

Remote Sensing : Max. compensation 0.5V per lead

Weight : 18.2 kg.

Remote Programming (V-I):

ANALOG: By external Voltage 0-10V or by resistance

(Optional) DIGITAL: GPIB Interface as per Standard IEEE 488.1 talk and listen

Model		30KL 38/80 0-30V/0-80A 960-1080W	75KL 16/36 0-75V/0-15A 1200W	200KL 6/15 0-200V/0-15A 1200W	500KL 2.6/6 0-500V/0-6A 1200W
Line regulation :	CV	0.02% - 2mV	0.02% - 5mV	0.02% - 15mV	0.02% - 50mV
	CC	0.02% - 10mA	0.02% - 5mA	0.02% - 1.5mA	0.02% - 0.3mA
Load regulation:	CV	0.02% - 2mV	0.02% - 5mV	0.02% - 15mV	0.02% -50mV
	CC	0.02% - 20mA	0.02% - - 5mA	0.02% - 1.5mA	0.02% - 0.3mA
Ripple and noise: RMS value (20Hz ÷ 100kHz) Peak to peak (20Hz ÷ 20MHz)					
	CV	6mVrms 100mVpp	6mVrms 100mVpp	10mVrms 200mVpp	13mVrms 350mVpp
	CC	80mArms	30mArms	20mArms	10mArms
Temperature Coefficient After 30 min. warm-up					
	CV	0.01% - 1.5mV°C	0.01% - 2.5mV°C	0.01% - 8mV°C	0.01% - 25mV°C
	CC	0.01% - 10mA°C	0.01% - 3.5mA°C	0.01% - 1.5mA°C	0.01% - 0.6mA°C
Stability: Output variation over 24h under constant line, load and amb.temp., after 30 min. warm-up					
	CV	0.03% - 4mV	0.03% - 10mV	0.03% - 30mV	0.03% - 100mV
	CC	0.03% - 20mA	0.02% - 10mA	0.03% - 3mA	0.02% - 1.2mA
Load Transient Recovery Time :To reach the band after a 10% Output Current change					
Time		3ms	3ms	3ms	3ms
Band		50mV	50mV	100mV	100mV
Programming Response Time: Max. Output time to voltage seattle after a full scale Programming step					
UP		120ms (0.15Ω)	120ms (0.9Ω)	150ms (5.3Ω)	150ms (33Ω)
DOWN (min. Ω Load)		120ms (0.15Ω)	120ms (0.15Ω)	120ms (0.15Ω)	120ms (0.15Ω)
(max. Ω Load)		500ms (0.79Ω)	600ms (4.7Ω)	800ms (33Ω)	800ms (208Ω)
No load		80ms/V	35ms/V	15ms/V	7ms/V
Efficiency- full load :		70%	75%	77%	80%