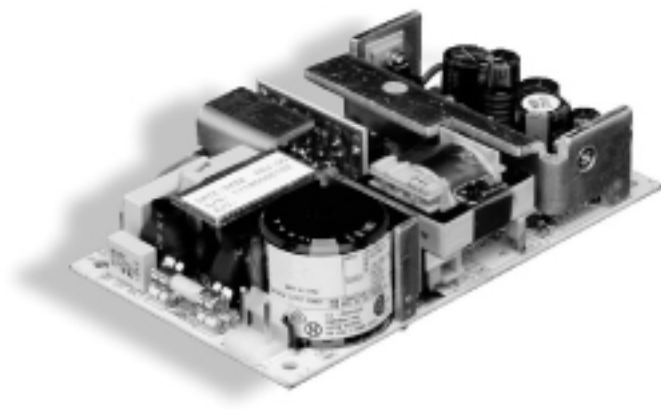


Medically Approved Switchers

KM MEDICAL SERIES

40-60 Watts



- CE Marked – LVD
- International Safety Approvals
- Single & Triple Output Models
- Adjustable Outputs
- Universal Input
- Remote Sense
- 80 W Force Cooled

SPECIFICATION

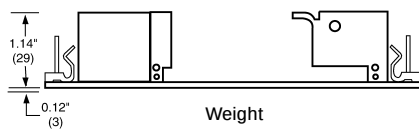
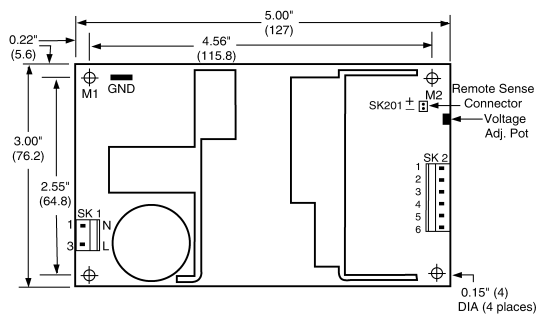
Input	• 85-264 V AC (120-370 V DC)
Input Frequency	• 47-440 Hz
Inrush Current	• <18 A @ 115 V AC, <36 A @ 230 V AC cold start @ 25°C
Efficiency	• 70% typical @ full load
Safety Gnd Leakage Current	• <75 μ A @ 50/60 Hz, 264 V AC input
Output Voltage	• See Tables
Load Regulation	• See Tables
Line Regulation	• See Tables
Ripple & Noise	• See Tables
Output Voltage Adjustment	• V1 -5/+10% minimum
Hold-up Time	• 20 ms @ full load & 115 V AC
Overload Protection	• S/C protection on all outputs. Output power limited @ 110 - 145% above peak rating.
Overvoltage Protection	• 5 V output 5.7 to 6.7 V DC - all other main outputs 110 - 125% nominal value
Remote Sense	• Compensates for 0.5 V lead drop min. Will operate without remote sense connected. Reverse connection protected.
Operating Temperature	• 0 °C to 70 °C (derate each output at 2.5%/°C from 50°C)
Storage Temperature	• -40 °C to + 85 °C
Temperature Coefficient	• $\pm$ 0.04%/°C
Humidity	• Operating - non-condensing 5% to 95%
Vibration	• 3 orthogonal axes, sweep @ 1 oct/min, 5min. Dwell @ four major resonances 0.75 G peak 5 Hz to 500 Hz operational.
EMC	• EN55022 level A conducted, Designed to meet IEC 801, -2, -3, -4, -5, -6, level 3
Safety Approvals	• EN60601-1, IEC601, UL2601, CSA22.2 No. 601.1
MTBF Demonstrated	• >550,000 hours at full load & 25°C ambient conditions.

OUTPUT VOLTAGE & CURRENT RATINGS

Output Voltage	Minimum Load ⁽¹⁾	Maximum Load with Convection Cooling	Maximum Load with 30 CFM Forced Air	Peak Load ⁽²⁾	Regulation ⁽³⁾	Ripple P/P (PARD) ⁽⁴⁾	Model Number
5 V	0.0 A	8.0 A	11 A	12.0 A	±2%	50 mV	KM4OUS05-M
12V	0.0 A	3.3 A	4.5 A	5.0 A	±2%	120mV	KM4OUS12-M
15 V	0.0 A	2.6 A	3.6 A	4.0 A	±2%	150 mV	KM4OUS15-M
24 V	0.0 A	1.6 A	2.3 A	2.5 A	±2%	240 mV	KM4OUS24-M
+5 V ₁	0.4 A	4.0 A	5.0 A	7.0 A	±2%	50 mV	KM4OUT42-M
+12 V ₂	0.2 A	2.0 A	2.5 A	4.0 A	±5%	120 mV	
-12 V ₃	0.0 A	0.5 A	0.7 A	1.0 A	±5%	120 mV	
+5 V ₁	0.4 A	4.0 A	5.0 A	7.0 A	±2%	50 mV	KM6OUT45-M
+15 V ₂	0.2 A	2.0 A	2.5 A	3.0 A	±5%	150 mV	
-15 V ₃	0.0 A	0.5 A	0.7 A	1.0 A	±5%	150 mV	
12 V	0.0 A	5.0 A	6.7 A	7.5 A	±2%	120 mV	KM6OUS12-M
15 V	0.0 A	4.0 A	5.3 A	6.0 A	±2%	150 mV	KM6OUS15-M
24 V	0.0 A	2.5 A	3.3 A	3.8 A	±2%	240 mV	KM6OUS24-M
+5 V ₁	0.7 A	7.0 A	8.0 A	10.0 A	±2%	50 mV	KM6OUT62-M
+12 V ₂	0.3 A	3.0 A	3.5 A	6.0 A	±5%	120 mV	
-12 V ₃	0.0 A	0.7 A	1.0 A	1.5 A	±5%	120 mV	
+5 V ₁	0.7 A	7.0 A	8.0 A	10.0 A	±2%	50 mV	KM6OUT63-M
-15 V ₂	0.3 A	2.8 A	3.3 A	4.0 A	±5%	150 mV	
+15 V ₃	0.0 A	0.7 A	1.0 A	1.5 A	+5%	150 mV	

NOTES:

1. Minimum loads required for operation.
2. Peak incurrent lastings <30 secs with a maximum duty cycle of 10%.
3. At 25 °C including initial tolerance, line voltage, load currents & output voltages adjusted to factory settings.
4. Peak to peak with 20 mHz band width & 10 µf in parallel with a 0.1 µf capacitor at rated line voltage & load ranges.

MECHANICAL DETAILS

Weight
KM40 0.23 Kg
KM60 0.34 Kg

NOTE: KM60 overall height is 1.65" (41.9).

PIN CONNECTIONS

Connector	Single Output	Multi Output
SK 1 - 1	Neutral	Neutral
SK 1 - 3	Line	Line
SK 2 - 1	+ V	V ₂
SK 2 - 2	+ V	V ₁
SK 2 - 3	+ V	V ₁
SK 2 - 4	Common	Common
SK 2 - 5	Common	Common
SK 2 - 6	Common	V ₃
SK 201 - 1	+ Sense	+ Sense
SK 201 - 2	- Sense	- Sense

Mating Connectors

SK1 Molex 09-91-0300
Pins 0 8-58-0111

SK2 Molex 09-91-0600
Pins 0.8-58-0111

SK201 Molex 22-01-2025
Pins 08-50-0114

Covers available - order Part No. KM25/40 Cover for 40 W models
KM60 Cover for 60 W models.

Alternatively add suffix "-C" to receive unit with cover fitted.

