

**KP-DX 250H**  
**ATX (style) 250Watts**

**DC to DC Power Supply.**



**12 Volts**

[KP-DX 200Q](#): AT 200W  
[KP-DX 250Q](#): AT 250W  
[KP-DX 250H](#): ATX 250W

**24 Volts**

[KP-DY 250Q](#): AT 250W  
[KP-DY 250H](#): ATX 250W

**48 Volts**

[KP-DZ 300Q](#): AT 300W  
[KP-DZ 300H](#): ATX 300W  
[KP-DZ 350Q](#): AT 350W  
[KP-DZ 350H](#): ATX 350W

**DC INPUT RATING**

9 VDC TO 18 VDC ( ± 12 VDC )

**OUTPUT RATING**

	OUTPUT-1	OUTPUT-2	OUTPUT-3	OUTPUT-4	OUTPUT-5	OUTPUT-6
VOLTAGE	+5V DC	+12V DC	-5V DC	-12V DC	+3.3V DC	+5VSB DC
MAXIMUM LOAD	25A	8.5A	1A	1A	14A	1A
MINIMUM LOAD	5A	2A	0A	0A	0A	0A
THE TOTAL OUTPUT OF +5V DC AND +3.3V DC MUST LESS THAN 120W						
RIPPLE	50mV	120mV	50mV	120mV	33mV	50mV
RIPPLE / NOISE	50mV	120mV	50mV	120mV	33mV	50mV
LINE REGULATION	± 1%	± 1%	± 1%	± 1%	± 1%	± 1%
LOAD REGULATION	± 5%	± 5%	± 2%	± 10%	±5%	± 5%
CROSS REGULATION	± 5%	± 5%	± 2%	± 10%	± 5%	± 5%

**OVERALL PERFORMANCE**

Total output power : 250W continuous output  
 Efficiency : 65% typical at full load  
 Hold up time : 16ms at maximum load and normal input voltage(12 VDC)  
 Power good : TTL compatible signal out with 100ms to 500ms

**FEATURE**

Short circuit protection (SCP): All output equipped with short circuit protection  
 Over Power protection : Peak power protected to between 110% to 125% of continuous rated power  
 Over voltage protection (OVP): +6V ± 0.5V by +5V

**ENVIRONMENTAL CONDITIONS**

Operating temperature : 0 to 50 degree Celsius ambient  
 Cooling : By forced air  
 Storage temperature : -20 to + 85 degree Celsius ambient  
 Storage humidity : 10~90%

**RELIABILITY**

Mean time between failure : 100K hours at 25 degree Celsius ambient

**DIMENSIONS**

PS/2 Type Dimension : 150(L) x 150(W) x 86(H) /mm

**MAIN COMPONENTS**

SCHOTTKY DIODE ESAD83-004 (60A 40V) x 4 FOR +3.3V, +5V OUTPUT.  
FAST DIODE C16P20F (16A 200V) FOR +12V OUTPUT  
7905 FOR -5V @ 1A

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