

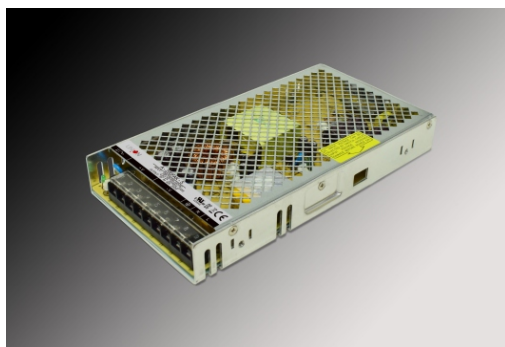
S.M.P.S

Enclosed Switching  
Power Supply

Low Cost &amp; Slim Type

## 200FAK Series

200W SINGLE OUTPUT



- ▷ Constant voltage design
- ▷ Wide input range AC90~132V/AC180~264V input
- ▷ No load power consumption<0.5W
- ▷ Protections: short circuit/over load/over voltage
- ▷ Cooling by free air convection
- ▷ 100% full load burn-in test
- ▷ Suitable for LED lighting and industrial applications
- ▷ Safety standards :  
EN60950-1/K61347-1,K61347-2-13
- ▷ EMC standards :  
EN55022/K00015,K61547,K61000-4-2,3,4,5,6,11
- ▷ 3 years warranty



| ITEM               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | A-200FAK-5                                                            | A-200FAK-12 | A-200FAK-24 |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------|-------------|
| INPUT              | VOLTAGE RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                     | AC90~132V/AC180~264V                                                  |             |             |
|                    | FREQUENCY RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 47~63Hz                                                               |             |             |
|                    | EFFICIENCY(typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 86%                                                                   | 87%         | 89%         |
|                    | AC CURRENT(typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4A/115VAC 2.2A/230VAC                                                 |             |             |
|                    | INRUSH CURRENT(typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                              | 60A/230VAC                                                            |             |             |
|                    | LEAKAGE CURRENT                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <2mA / 240VAC                                                         |             |             |
| OUTPUT             | DC VOLTAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5V                                                                    | 12V         | 24V         |
|                    | RATED CURRENT                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 40A                                                                   | 17A         | 8.8A        |
|                    | RATED POWER                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 200W                                                                  |             |             |
|                    | RIPPLE&NOISE(max.)                                                                                                                                                                                                                                                                                                                                                                                                                                                | 150mVp-p                                                              |             |             |
|                    | VOLTAGE ADJ. RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                | ±5%                                                                   |             |             |
|                    | VOLTAGE ACCURACY                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ±1.0%                                                                 |             |             |
|                    | LINE REGULATION                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ±0.5%                                                                 |             |             |
|                    | LOAD REGULATION                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ±1.0%                                                                 |             |             |
|                    | SETUP,RISE TIME                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1300ms,50ms/230VAC 100% load                                          |             |             |
| HOLD UP TIME(typ.) | 16ms/230VAC 100% Load                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                       |             |             |
| PROTEC-TION        | SHORT CIRCUIT                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Hiccup mode ; recovers automatically after fault condition is removed |             |             |
|                    | OVER LOAD                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 110~140% of rated output                                              |             |             |
|                    | OVER VOLTAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 115~135% of rated output                                              |             |             |
| ISOLA-TION         | WITHSTAND VOLTAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                 | I/P-O/P:AC3KV, I/P-F.G:AC2KV, O/P-F.G:AC0.5KV                         |             |             |
|                    | ISOLATION RESISTANCE                                                                                                                                                                                                                                                                                                                                                                                                                                              | I/P-O/P, I/P-F.G, O/P-F.G:DC500V 100Mohms{At room temp. & humid.}     |             |             |
| ENVIRON-MENT       | WORKING TEMP.&HUMID.                                                                                                                                                                                                                                                                                                                                                                                                                                              | -30~+70℃ ( Refer to “DERATING CURVE” ),20~95%RH                       |             |             |
|                    | STORAGE TEMP.&HUMID.                                                                                                                                                                                                                                                                                                                                                                                                                                              | -40~+85℃,10~95%RH                                                     |             |             |
|                    | VIBRATION                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 10~500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes |             |             |
| OTHERS             | LIFETIME                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 226,400 hours(25℃)                                                    |             |             |
|                    | DIMENSION/WEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 215*115*29.5mm(L*W*H)/0.75Kg                                          |             |             |
| NOTE               | <div>* In order to extend the lifetime, it is recommended to configure the load no more than 30% of the remaining allowance. For example: the power of the device requires 100W, then use the power of less than 130W.</div> <div>* Ripple test method: 20MHz oscilloscope in power output terminal test, oscilloscope probe wire length is not more than 12mm, and input parallel 47uF electrolytic capacitors and 0.1uF high frequency capacitance probe.</div> |                                                                       |             |             |

