

## **APC-8** series





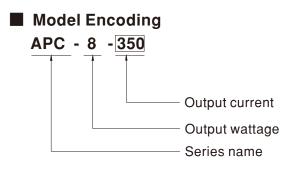
**IP42** 

### Features

- Constant current design
- · Universal AC input / Full range
- Class II power unit, no FG
- · Fully isolated plastic case
- IP42 design
- · Small and compact size
- · Cooling by free air convection
- · Protection:Short circuit
- No load power consumption <0.5W
- 100% full load burn-in test
- · Low cost / High reliability
- · 2 years warranty

### Description

APC-8 series is one 8W AC/DC constant current mode single output LED power supply. It accepts the full range input 90~264VAC and provides four models with different output current, 250mA, 350mA, 500mA and 700mA, respectively, that the small wattage LED applications employ the most frequently. Exploiting Class II design (without FG pin) and adopting the 94V-0 flame retardant plastic enclosure, APC-8 ideally fits the entry-level LED applications.





· Suitable for LED related fixture or appliance (such as LED Decoration or Advertisement devices)(Note.6)

### GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

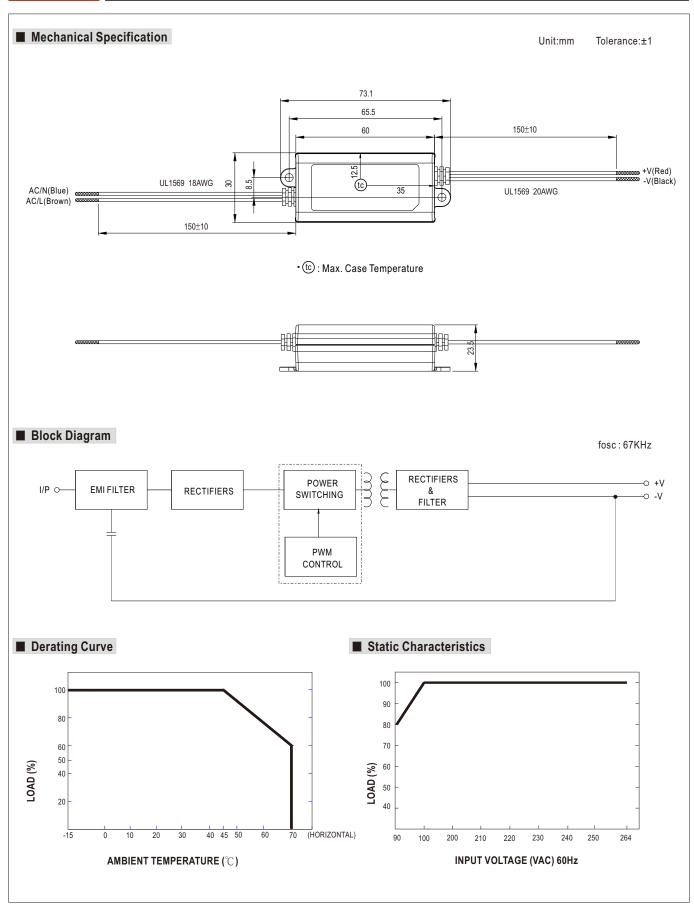


### SPECIFICATION

| MODEL       | -   | APC-8-250   | APC-8-350  | APC-8-500  | APC-8-700   |  |
|-------------|---|---|--|--|---|--|
|             | RATED CURRENT   | 250mA   | 350mA  | 500mA  | 700mA   |  |
| OUTPUT      | OPERATING VOLTAGE RANGE Note.4  | 16~32V  | 11~23V   | 8~16V  | 6~11V   |  |
|             | RATED POWER   | 8W  | 8.05W  | 8W   | 7.7W  |  |
|             | RIPPLE & NOISE (max.) Note.2  | 350mVp-p  | 300mVp-p   | 300mVp-p   | 250mVp-p  |  |
| 001101      | NO LOAD OUTPUT VOLTAGE  | 38V   | 29V  | 24V  | 17V   |  |
|             | CURRENT ACCURACY  | ±8.0%   | 1  |  |   |  |
|             | SETUP, RISE TIME  | 500ms, 180ms / 230VAC 3000ms, 150ms / 115VAC at full load   |  |  |   |  |
|             | HOLD UP TIME (Typ.)   | 20ms/230VAC at full load  |  |  |   |  |
|             | VOLTAGE RANGE Note.3  | 90 ~ 264VAC 127 ~ 370VDC (Note.5)   |  |  |   |  |
|             | FREQUENCY RANGE   | 47 ~ 63Hz   |  |  |   |  |
|             | EFFICIENCY(Typ.)  | 82.5%   | 81.5%  | 81%  | 80%   |  |
| INPUT       | AC CURRENT  | 0.15A/230VAC;0.3A/115VAC  |  |  |   |  |
|             | INRUSH CURRENT(Typ.)  | COLD START 70A(twidth=120µs measured at 50% Ipeak) at 230VAC  |  |  |   |  |
|             | LEAKAGE CURRENT   | 0.25mA / 240VAC   |  |  |   |  |
| PROTECTION  | SHORT CIRCUIT   | Hiccup mode, recovers automatically after fault condition is removed.   |  |  |   |  |
|             | WORKING TEMP.   | -15 ~ 70 $^\circ\mathrm{C}$ (Refer to "Derating Curve")   |  |  |   |  |
|             | WORKING HUMIDITY  | 20 ~ 90% RH non-condensing  |  |  |   |  |
| ENVIRONMENT | STORAGE TEMP., HUMIDITY   | ✓ -40 ~ +80°C, 10 ~ 95% RH  |  |  |   |  |
|             | TEMP. COEFFICIENT   | ±0.2%/°C (0~45°C)   |  |  |   |  |
|             | VIBRATION   | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes   |  |  |   |  |
|             | SAFETY STANDARDS Note.7   | UL8750,CSA C22.2 No.250.0-08, BIS IS15885, EAC TP TC 004; BS EN/EN 62368-1 approved   |  |  |   |  |
| SAFETY &    | WITHSTAND VOLTAGE   | I/P-O/P:3.75KVAC  |  |  |   |  |
| EMC         | ISOLATION RESISTANCE  | I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH   |  |  |   |  |
|             | EMC EMISSION  | Compliance to BS EN/EN55032,BS EN/EN61000-3-2,BS EN/EN61000-3-3, EAC TP TC 020  |  |  |   |  |
|             | EMC IMMUNITY  | Compliance to BS EN/EN55035,BS EN/EN61000-4-2,3,4,5,6,8,11; light industry level(surge 2KV), EAC TP TC 020  |  |  |   |  |
|             | MTBF  | 14511.7K hrs min. Telcordia SR-332 (Bellcore) ; 2275.9K hrs min. MIL-HDBK-217F ( $25^{\circ}$ C)  |  |  |   |  |
| OTHERS      | DIMENSION   | 60*30*23.5mm(L*W*H)   |  |  |   |  |
|             | PACKING   | 0.05Kg;144pcs/7.6Kg/0.79CUFT  |  |  |   |  |
| NOTE        | <ol> <li>Ripple &amp; noise are measure</li> <li>Derating may be needed un</li> <li>Constant current operation r<br/>reconfirm special electrical r</li> <li>When applying DC voltage i</li> <li>This product is not intended<br/>are recommended.)</li> <li>The ambient temperature de</li> <li>For any application note and<br/>https://www.meanwell.com/U</li> </ol> | d at 20MHz of bandwidth by us<br>ider low input voltage, please cl<br>region is within 50% ~100% rat<br>equirements for some specific<br>for input, please connect the br<br>for LED lighting luminaire appli<br>erating of 3.5°C/1000m with fan<br>d IP water proof function installa<br>Jpload/PDF/LED_EN.pdf | heck the static characteristic for<br>ed output voltage. This is the su<br>system design.<br>own input wire to the positive si<br>ications in the EU and China.(In | ninated with a 0.1uf & 47uf para<br>more details.<br>uitable operation region for LED<br>ide whereas blue input wire to th<br>the EU and China the LPF/NP<br>with fan models for operating a<br>ser manual before using. | related applications, but please<br>ne negative side. |  |



# APC-8 series



File Name: APC-8-SPEC 2024-10-16



# APC-12 series



- Features :
- Constant current design
- Universal AC input / Full range
- Protections:Short circuit / Over voltage
- Fully isolated plastic case
- Small and compact size
- Cooling by free air convection
- Class II power unit, no FG
- Class 2 power unit
- Pass LPS
- IP42 design
- Suitable for LED related fixture or appliance
- (such as LED Decoration or Advertisement devices)(Note.6)

IS 15885(Part 2/Sec13) 8 R-41027766

- 100% full load burn-in test
- Low cost / High reliability

□ LPS IP42

2 years warranty

#### GTIN CODE

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#### SPECIFICATION

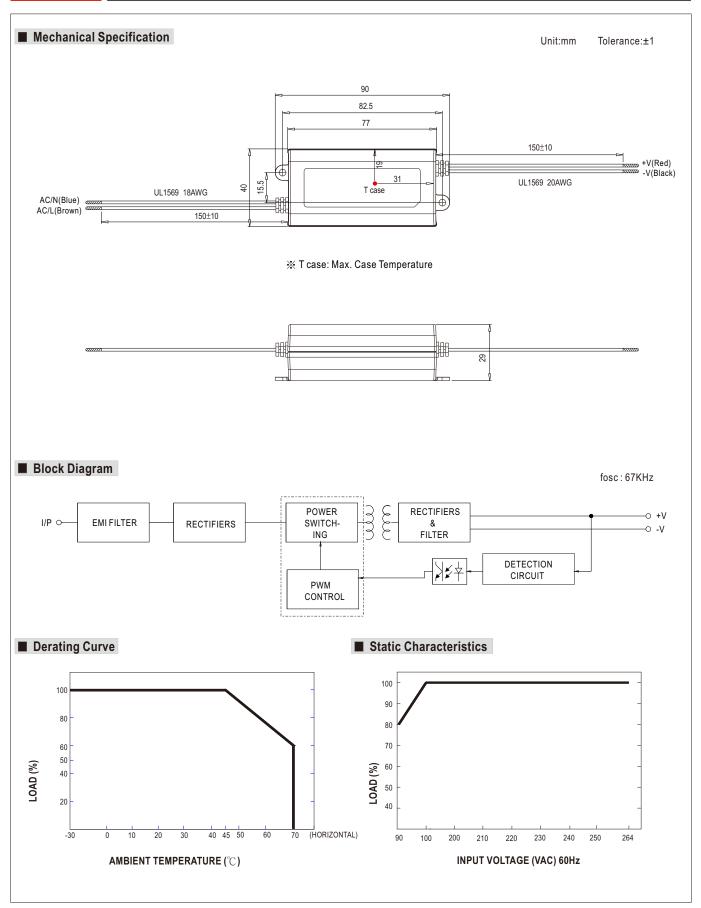
| SPECIFIC    |  |  |   |  |  |  |
|-------------|--|--|---|--|--|--|
| MODEL       |  | APC-12-350   | APC-12-700  |  |  |  |
|             | RATED CURRENT  | 350mA  | 700mA   |  |  |  |
| OUTPUT      | DC VOLTAGE RANGE   | 9~36V  | 9~18V   |  |  |  |
|             | RATED POWER  | 12.6W  | 12.6W   |  |  |  |
|             | RIPPLE & NOISE (max.) Note.2   | 300mVp-p   | 250mVp-p  |  |  |  |
|             | VOLTAGE TOLERANCE Note.3   |  |   |  |  |  |
|             | CURRENT ACCURACY   | ±8.0%  |   |  |  |  |
|             | LINE REGULATION  | ±1.0%  |   |  |  |  |
|             | LOAD REGULATION  | ±3.0%  |   |  |  |  |
|             | SETUP, RISE TIME   | 3000ms, 180ms / 230VAC 3000ms, 150ms / 115VAC at full load   |   |  |  |  |
|             | HOLD UP TIME (Typ.)  | 20ms/230VAC,15ms/115VAC at full load   |   |  |  |  |
|             | VOLTAGE RANGE Note.4   | 90 ~ 264VAC 127 ~ 370VDC   |   |  |  |  |
|             | FREQUENCY RANGE  | 47 ~ 63Hz  |   |  |  |  |
|             | EFFICIENCY(Typ.)   | 82%  | 80%   |  |  |  |
| INPUT       | AC CURRENT   | 0.2A/230VAC:0.35A/115VAC   |   |  |  |  |
| INFUT       | INRUSH CURRENT(Typ.)   | COLD START 70A(twidth=150µs measured at 50% lpeak) at 230VAC   |   |  |  |  |
|             |  |  |   |  |  |  |
|             | MAX. No. of PSUs on 16A<br>CIRCUIT BREAKER   | 17 units (circuit breaker of type B) / 29 units (circuit breaker of type C) at 230VAC                      |   |  |  |  |
|             | LEAKAGE CURRENT  | 0.25mA / 240VAC  |   |  |  |  |
|             |  | 39.6~ 46.8V  | 20.7~24.3V  |  |  |  |
| PROTECTION  | OVER VOLTAGE   | Protection type : Shut off o/p voltage, clamping by zener diode  |   |  |  |  |
|             | WORKING TEMP.  | -30 ~ 70°C (Refer to "Derating Curve")   |   |  |  |  |
|             | WORKING HUMIDITY   | 20 ~ 90% RH non-condensing   |   |  |  |  |
| ENVIRONMENT | STORAGE TEMP., HUMIDITY  | -40 ~ +80°C , 10 ~ 95% RH  |   |  |  |  |
| -           | TEMP. COEFFICIENT  | ±0.2%/°C (0 ~ 50°C)  |   |  |  |  |
|             | VIBRATION  | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes                                    |   |  |  |  |
|             | SAFETY STANDARDS Note.7  | UL8750,CSA C22.2 No.250.0-08, BIS IS15885, EAC TP TC 004,BS EN/EN 62368-1 approved                         |   |  |  |  |
| SAFETY &    | WITHSTAND VOLTAGE  | I/P-O/P:3.75KVAC   |   |  |  |  |
| EMC         | ISOLATION RESISTANCE   | I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH  |   |  |  |  |
| (Note 5)    | EMC EMISSION   | Compliance to BS EN/EN55032,BS EN/EN61000-3-2,BS EN/EN61000-3-3, EAC TP TC 020                             |   |  |  |  |
|             | EMC IMMUNITY   | Compliance to BS EN/EN55035,BS EN/EN61000-4-2,3,4,5,6,8,11; light industry level(surge 2KV), EAC TP TC 020 |   |  |  |  |
|             | MTBF   | 6418.1K hrs min. Telcordia SR-332 (Bellcore); 1097.4K hrs min. MIL-HDBK-217F (25℃)                         |   |  |  |  |
| OTHERS      | DIMENSION  | 77*40*29(L*W*H)  |   |  |  |  |
|             | PACKING  | 0.08Kg; 120pcs/11.8Kg/1.06CUFT   |   |  |  |  |
| NOTE        | 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.  |  |   |  |  |  |
| NOTE        | 2. Ripple & noise are measure  | d at 20MHz of bandwidth by using a 12" twisted pair-wire terminated  | with a 0.1uf & 47uf parallel capacitor.                     |  |  |  |
|             | 3. Tolerance : includes set up tolerance, line regulation and load regulation.   |  |   |  |  |  |
|             | 4. Derating may be needed under low input voltage. Please check the static characteristic for more details. Please connect L line to the positive pole and |  |   |  |  |  |
|             | N line to the negative pole under DC input.  |  |   |  |  |  |
|             | 5. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the  |  |   |  |  |  |
|             | complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.                                 |  |   |  |  |  |
|             | (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf)  |  |   |  |  |  |
|             | 6. This product is not intended are recommended.)  | for LED lighting luminaire applications EU and China.(In the EU and  | China the LPF/NPF/XLG/XLC/XLN series                        |  |  |  |
|             | 7. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft)   |  |   |  |  |  |
|             | 8. For any application note and IP water proof function installation caution, please refer our user manual before using.                                   |  |   |  |  |  |
|             | https://www.meanwell.com/Upload/PDF/LED_EN.pdf   |  |   |  |  |  |
|             | ※ Product Liability Disclaimer   | : For detailed information, please refer to https://www.meanwell.com/                                      | /serviceDisclaimer.aspx<br>File Name: APC-12-SPEC_2024-10-1 |  |  |  |



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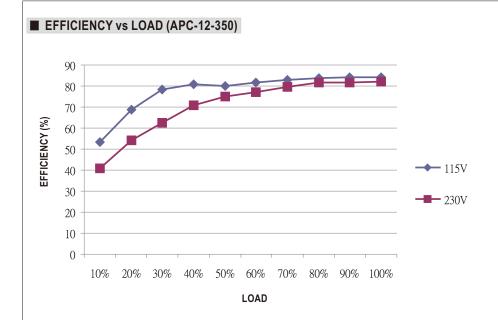
## APC-12 series



File Name: APC-12-SPEC 2024-10-16



## APC-12 series



File Name: APC-12-SPEC 2024-10-16



## APC-16 series



#### Features :

- Constant current mode design
- Universal AC input / Full range
- · Protections:Short circuit / Over voltage
- · Fully isolated plastic case
- Small and compact size
- Cooling by free air convection
- Class  ${\rm I\hspace{-1.5pt}I}$  power unit, no FG
- · Class 2 power unit
- Pass LPS
- IP42 design
- Suitable for LED related fixture or appliance (such as LED Decoration or Advertisement devices)(Note.6)
- 100% full load burn-in test
- · Low cost / High reliability
- 2 years warranty



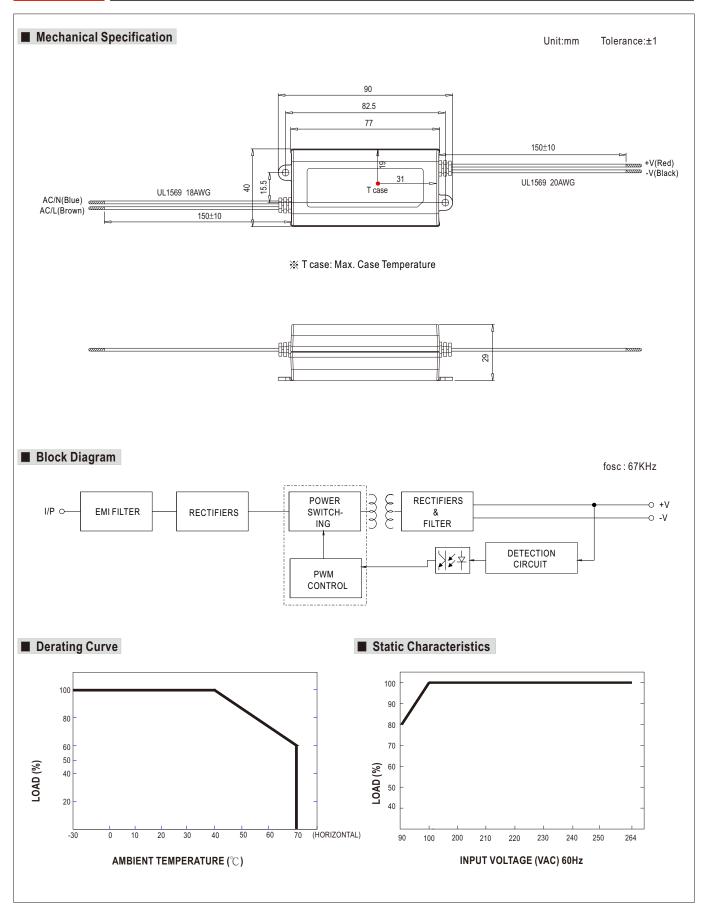
#### DEOLEIOATION

|             |   | • 2 years warranty   |                         |  |  |  |
|-------------|---|--|-------------------------|--|--|--|
| MW          | Search: <u>https://www.meanwell.c</u>   | <u>om/serviced i IN.aspx</u>   |                         |  |  |  |
| SPECIFIC    | ATION   | LF3 IF   |                         |  |  |  |
| MODEL       |   | APC-16-350   | APC-16-700              |  |  |  |
|             | RATED CURRENT   | 350mA  | 700mA                   |  |  |  |
|             | DC VOLTAGE RANGE  | 12~48V   | 9~24V                   |  |  |  |
|             | RATED POWER   | 16.8W  | 16.8W                   |  |  |  |
|             | RIPPLE & NOISE (max.) Note.2  | 300mVp-p   | 250mVp-p                |  |  |  |
| OUTPUT      | VOLTAGE TOLERANCE Note.3  | 5.0%   |                         |  |  |  |
|             | CURRENT ACCURACY  | ±8.0%  |                         |  |  |  |
|             | LINE REGULATION   | ±1.0%  |                         |  |  |  |
|             | LOAD REGULATION   | ±3.0%  |                         |  |  |  |
|             | SETUP, RISE TIME  | 3000ms, 200ms / 230VAC 3000ms, 200ms / 115VAC at full load   |                         |  |  |  |
|             | HOLD UP TIME (Typ.)   | 20ms/230VAC 12ms/115VAC at full load   |                         |  |  |  |
|             | VOLTAGE RANGE Note.4  | 90 ~ 264VAC 127 ~ 370VDC   |                         |  |  |  |
|             | FREQUENCY RANGE   | 47 ~ 63Hz  |                         |  |  |  |
|             | EFFICIENCY(Typ.)  | 84%  | 83%                     |  |  |  |
| INPUT       | AC CURRENT  | 0.3A/230VAC;0.5A/115VAC  | 1                       |  |  |  |
|             | INRUSH CURRENT(Typ.)  | COLD START 45A(twidth=210µs measured at 50% lpeak) at 230VAC   |                         |  |  |  |
|             | MAX. No. of PSUs on 16A<br>CIRCUIT BREAKER  | 13 units (circuit breaker of type B) / 23 units (circuit breaker of type C) at 230VAC                      |                         |  |  |  |
|             | LEAKAGE CURRENT   | 0.25mA / 240VAC  |                         |  |  |  |
|             |   | 50.4~ 60V  | 27.6~ 33.5V             |  |  |  |
| PROTECTION  | OVER VOLTAGE  | Protection type : Shut off o/p voltage, clamping by zener diode  |                         |  |  |  |
|             | WORKING TEMP.   | -30 ~ 70°C (Refer to "Derating Curve")   |                         |  |  |  |
|             | WORKING HUMIDITY  | 20 ~ 90% RH non-condensing   |                         |  |  |  |
| ENVIRONMENT | STORAGE TEMP., HUMIDITY   | -40 ~ +80°C, 10 ~ 95% RH   |                         |  |  |  |
|             | TEMP. COEFFICIENT   | ±0.2%/°C (0~50°C)  |                         |  |  |  |
|             | VIBRATION   | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes                                    |                         |  |  |  |
|             | SAFETY STANDARDS Note.7   |  |                         |  |  |  |
| SAFETY &    | WITHSTAND VOLTAGE   | I/P-O/P:3.75KVAC   |                         |  |  |  |
| EMC         | ISOLATION RESISTANCE  | I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH  |                         |  |  |  |
| (Note 5)    | EMC EMISSION  | Compliance to BS EN/EN55032,BS EN/EN61000-3-2,BS EN/EN61000-3-3, EAC TP TC 020                             |                         |  |  |  |
|             | EMC IMMUNITY  | Compliance to BS EN/EN55035,BS EN/EN61000-4-2,3,4,5,6,8,11; light industry level(surge 2KV), EAC TP TC 020 |                         |  |  |  |
|             | MTBF  | 6411.4K hrs min. Telcordia SR-332 (Bellcore); 1092.9K hrs min.   | MIL-HDBK-217F (25°C)    |  |  |  |
| OTHERS      | DIMENSION   | 77*40*29(L*W*H)  |                         |  |  |  |
|             | PACKING   | 0.1Kg; 120pcs/14Kg/1.06CUFT  |                         |  |  |  |
| NOTE        | <ol> <li>All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>Tolerance : includes set up tolerance, line regulation and load regulation.</li> <li>Derating may be needed under low input voltage. Please check the static characteristic for more details.Please connect L line to the positive pole and N line to the negative pole under DC input.</li> <li>The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf)</li> <li>This product is not intended for LED lighting luminaire applications in the EU and China.(In the EU and China the LPF/NPF/XLG/XLC/XLN series are recommended.)</li> <li>The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(68).</li> </ol> |  |                         |  |  |  |
|             | https://www.meanwell.com/U<br>※ Product Liability Disclaimer  | : For detailed information, please refer to https://www.meanwell.com/                                      | /serviceDisclaimer.aspx |  |  |  |





# APC-16 series





GTIN CODE

### 25W Single Output Switching Power Supply

# APC-25 series



### Features :

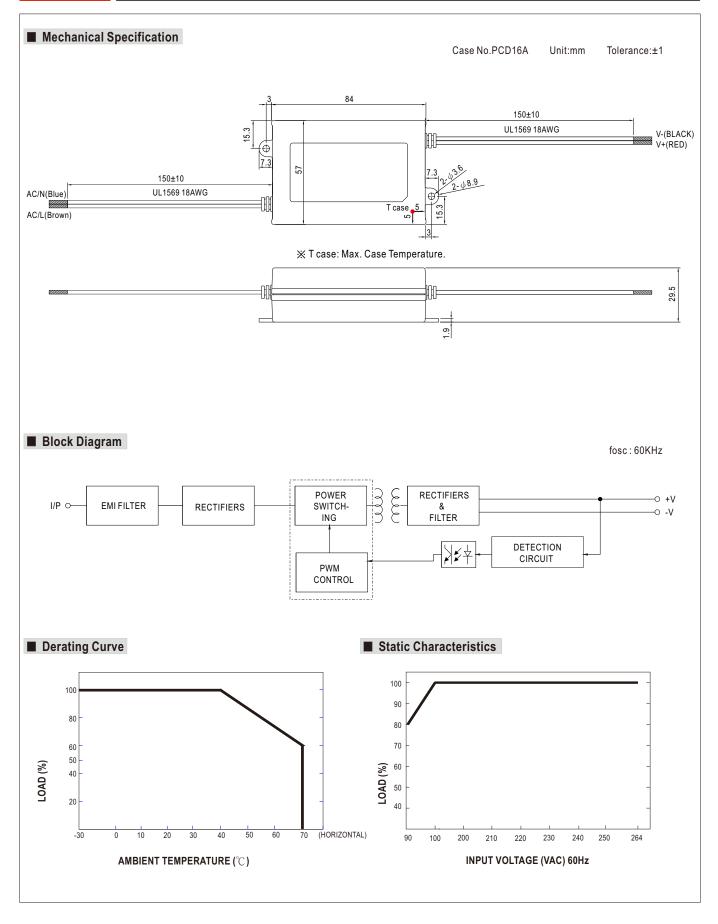
- Constant current mode power supply
- Universal AC input / Full range
- Withstand 300VAC Surge input for 5 seconds
- Protections:Short circuit / Over voltage
- Fully isolated plastic case
- Small and compact size
- Cooling by free air convection
- IP42 design
- 100% full load burn-in test
- Suitable for LED related fixture or appliance
- (such as LED Decoration or Advertisement devices)(Note.6)
- Low cost / High reliability
- 2



|             | ATION LIIL (ex   | cept for APC-25-350)   |  |                                   |   |  |  |
|-------------|--|--|--|-----------------------------------|---|--|--|
| MODEL       |  | APC-25-350   | APC-25-500                                     | APC-25-700                        | APC-25-1050                                 |  |  |
|             | RATED CURRENT  | 350mA  | 500mA  | 700mA                             | 1050mA                                      |  |  |
|             | DC VOLTAGE RANGE   | 25~70V   | 15~50V   | 11~36V                            | 9~24V                                       |  |  |
|             | RATED POWER  | 24.5W  | 25.2W  | 25.2W                             | 25.2W                                       |  |  |
|             | CURRENT RIPPLE   | 5.0%   |  |                                   |   |  |  |
| OUTPUT      | CURRENT ACCURACY   | ±8.0%  |  |                                   |   |  |  |
|             | SETUP, RISE TIME   | 1500ms, 30ms / 230VAC 1500ms, 30ms / 115VAC at full load   |  |                                   |   |  |  |
|             | HOLD UP TIME (Typ.)  | 20ms/230VAC 12ms/115   | VAC at full load                               |                                   |   |  |  |
|             | VOLTAGE RANGE Note.2   | 90 ~ 264VAC 127 ~ 370VDC   |  |                                   |   |  |  |
|             | FREQUENCY RANGE  | 47 ~ 63Hz  |  |                                   |   |  |  |
| NPUT        | EFFICIENCY(Typ.)   | 83%  | 83%  | 83%                               | 83%   |  |  |
| NPUI        | AC CURRENT   | 0.4A/230VAC;0.8A/115VAC  | ·  | ·                                 |   |  |  |
|             | INRUSH CURRENT(Typ.)   | COLD START 45A(twidth=3  | $10\mu s$ measured at 50% lpea                 | k) at 230VAC                      |   |  |  |
|             | MAX. No. of PSUs on 16A<br>CIRCUIT BREAKER   | 9 units (circuit breaker of type B) / 15 units (circuit breaker of type C) at 230VAC   |  |                                   |   |  |  |
|             | LEAKAGE CURRENT  | 0.25mA / 240VAC  |  |                                   |   |  |  |
|             |  | 76~94V   | 55 ~ 68V                                       | 41 ~ 49V                          | 27 ~ 35V                                    |  |  |
| ROTECTION   | OVER VOLTAGE   | Protection type : Shut down  | o/p voltage, re-power on to                    | recover                           |   |  |  |
|             | WORKING TEMP.  | -30 ~ 70°C (Refer to "Deratir  | 1 8 1  |                                   |   |  |  |
|             |  | 20 ~ 90% RH non-condensing   |  |                                   |   |  |  |
| INVIRONMENT | STORAGE TEMP., HUMIDITY  | -40 ~ +80°C, 10 ~ 95% RH   |  |                                   |   |  |  |
|             | TEMP. COEFFICIENT  | ±0.2%/°C (0~50°C)  |  |                                   |   |  |  |
|             | VIBRATION  | . ,  | le period for 60min each                       | along X V 7 aves                  |   |  |  |
|             | SAFETY STANDARDS   | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes           UL8750 (except for APC-25-350), CSA-C22.2 No. 250.0-13 (only for APC-25-700&1050), BIS IS15885(except for APC-25-350), EAC TP TC 004,IP42, BS EN/EN 62368-1 approved |  |                                   |   |  |  |
| SAFETY &    | WITHSTAND VOLTAGE  | I/P-O/P:3KVAC  | <u>, _, , , , , , , , , , , , , , , , , , </u> |                                   |   |  |  |
| EMC         | ISOLATION RESISTANCE   |  | /DC / 25°C / 70% PH                            |                                   |   |  |  |
| Note 5)     | EMC EMISSION   | I/P-O/P:>100M Ohms / 500VDC / 25°C/ 70% RH<br>Compliance to BS EN/EN55032,BS EN/EN61000-3-2 Class A,BS EN/EN61000-3-3, EAC TP TC 020   |  |                                   |   |  |  |
|             | EMC IMMUNITY   |  |  |                                   |   |  |  |
|             | MTBF   | Compliance to BS EN/EN55035,BS EN/EN61000-4-2,3,4,5,6,8,11; light industry level(surge 2KV), EAC TP TC 020<br>4955.9K hrs min. Telcordia SR-332 (Bellcore); 504.9K hrs min. MIL-HDBK-217F (25°C)   |  |                                   |   |  |  |
| OTHERS      | DIMENSION  |  |  |                                   |   |  |  |
| UTHERS      |  | 84*57*29.5(L*W*H)<br>0.13Kg; 72pcs/10.4Kg/0.92CUFT   |  |                                   |   |  |  |
|             | PACKING  | •••••  |  |                                   |   |  |  |
| NOTE        | 2. Derating may be needed und  | der low input voltage. Please  | check the static characteris                   |                                   | e.<br>C performance will be affected by the |  |  |
|             |  | al equipment manufacturers n<br>meanwell.com//Upload/PDF/  |  | e on the complete installation ag | ain.  |  |  |
|             | 4. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft) |  |  |                                   |   |  |  |
|             | 5. For any application note and<br>https://www.meanwell.com/U  |  | llation caution, please refer                  | our user manual before using.     |   |  |  |
|             | 6. This product is not intended are recommended.)  | for LED lighting luminaire app   | plications in the EU and Ch                    | na.(In the EU and China the LPF   | F/NPF/XLG/XLC/XLN series                    |  |  |
|             | ,  |  |  | anwell.com/serviceDisclaimer.as   |   |  |  |



## APC-25 series





# APC-35 series



#### Features :

- Constant current mode power supply
- Universal AC input / Full range
- Withstand 300VAC Surge input for 5 seconds
- Protections:Short circuit / Over voltage
- Fully isolated plastic case
- · Small and compact size
- Cooling by free air convection
- IP42 design
- 100% full load burn-in test
- · Suitable for LED related fixture or appliance
  - (such as LED Decoration or Advertisement devices)(Note.6)
- Low cost / High reliability
- 2 years warranty



X Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx

### GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

|   | APC-35-350   | APC-35-500   | APC-35-700   | APC-35-1050  |  |  |
|---|--|--|--|--|--|--|
| RATED CURRENT   | 350mA  | 500mA  | 700mA  | 1050mA   |  |  |
| DC VOLTAGE RANGE  | 28~100V  | 25~70V   | 15~50V   | 11~33V   |  |  |
| RATED POWER   | 35W  | 35W  | 35W  | 34.7W  |  |  |
| CURRENT RIPPLE  |  |  |  |  |  |  |
| CURRENT ACCURACY  | ±8.0%  |  |  |  |  |  |
| SETUP, RISE TIME  | 1500ms. 40ms / 230VAC 1500ms. 40ms / 115VAC at full load   |  |  |  |  |  |
| HOLD UP TIME (Typ.)   |  |  |  |  |  |  |
| VOLTAGE RANGE Note.2  |  |  |  |  |  |  |
| FREQUENCY RANGE   | 47 ~ 63Hz  |  |  |  |  |  |
| EFFICIENCY(Typ.)  | 84%  | 84%  | 84%  | 84%  |  |  |
| AC CURRENT  | 0.5A/230VAC;0.75A/115V   |  |  |  |  |  |
| INRUSH CURRENT(Typ.)  | ,  |  | ik) at 230VAC  |  |  |  |
| MAX, No. of PSUs on 16A   |  |  | ,  |  |  |  |
| CIRCUIT BREAKER   | 5 units (circuit breaker of t  | ype B) / 9 units (circuit breake   | er of type C) at 230VAC  |  |  |  |
| LEAKAGE CURRENT   | 0.25mA / 240VAC  |  |  |  |  |  |
|   | 110 ~ 130V   | 77~91V   | 55 ~ 65V   | 36~43V   |  |  |
| OVER VOLTAGE  |  |  |  |  |  |  |
| WORKING TEMP.   |  |  |  |  |  |  |
| WORKING HUMIDITY  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |
| TEMP. COEFFICIENT   |  |  |  |  |  |  |
|   |  | vcle, period for 60min, each a   | along X. Y. Z axes   |  |  |  |
| SAFETY STANDARDS  | UL8750 (only for APC-35-700&1050), CSA-C22.2 No. 250.0-13 (only for APC-35-1050), BIS IS15885(only for APC-35-700&1050),<br>EAC TP TC 004,IP42, BS EN/EN 62368-1 approved  |  |  |  |  |  |
| WITHSTAND VOLTAGE   |  |  |  |  |  |  |
| ISOLATION RESISTANCE  |  |  |  |  |  |  |
| EMC EMISSION  | Compliance to BS EN/EN55032,BS EN/EN61000-3-2 Class A,BS EN/EN61000-3-3, EAC TP TC 020   |  |  |  |  |  |
| EMC IMMUNITY  | Compliance to BS EN/EN55035,BS EN/EN61000-4-2,3,4,5,6,8,11; light industry level(surge 2KV), EAC TP TC 020   |  |  |  |  |  |
| MTBF  | 4955.9K hrs min. Telcordia SR-332 (Bellcore) ; 550.4K hrs min. MIL-HDBK-217F (25℃)   |  |  |  |  |  |
| DIMENSION   | 84*57*29.5(L*W*H)  |  |  |  |  |  |
| PACKING   | 0.18Kg; 72pcs/14Kg/0.92  | CUFT   |  |  |  |  |
| <ol> <li>Derating may be needed un</li> <li>The power supply is considered</li> </ol> | ider low input voltage. Plea<br>ered as a component that v<br>al equipment manufacturer  | se check the static character<br>will be operated in combinatio  | istic for more details.  | MC performance will be affected by the   |  |  |
|   | DC VOLTAGE RANGE<br>RATED POWER<br>CURRENT RIPPLE<br>CURRENT ACCURACY<br>SETUP, RISE TIME<br>HOLD UP TIME (Typ.)<br>VOLTAGE RANGE Note.2<br>FREQUENCY RANGE<br>EFFICIENCY(Typ.)<br>AC CURRENT<br>INRUSH CURRENT(Typ.)<br>MAX. No. of PSUs on 16A<br>CIRCUIT BREAKER<br>LEAKAGE CURRENT<br>OVER VOLTAGE<br>WORKING TEMP.<br>WORKING HUMIDITY<br>STORAGE TEMP., HUMIDITY<br>TEMP. COEFFICIENT<br>VIBRATION<br>SAFETY STANDARDS<br>WITHSTAND VOLTAGE<br>ISOLATION RESISTANCE<br>EMC EMISSION<br>EMC IMMUNITY<br>MTBF<br>DIMENSION<br>PACKING<br>1. All parameters NOT special<br>2. Derating may be needed un | RATED CURRENT         350mA           DC VOLTAGE RANGE         28~100V           RATED POWER         35W           CURRENT RIPPLE         5.0%           CURRENT ACCURACY         ±8.0%           SETUP, RISE TIME         1500ms, 40ms / 230VAC           HOLD UP TIME (Typ.)         20ms/230VAC         12ms/1*           VOLTAGE RANGE         Note.2         90 ~ 264VAC         127 ~ 5           FREQUENCY RANGE         47 ~ 63Hz         EFFICIENCY(Typ.)         84%           AC CURRENT         0.5A/230VAC;0.75A/115V         INRUSH CURRENT(Typ.)         COLD START 45A(twidth)           MAX. No. of PSUs on 16A         5 units (circuit breaker of the circuit breaker of the circuit breaker         110 ~ 130V           OVER VOLTAGE         110 ~ 130V         Protection type : Shut dow           WORKING TEMP.         -30 ~ 70°C (Refer to "Deration type : Shut dow           WORKING HUMIDITY         20 ~ 90% RH non-condent           STORAGE TEMP, HUMIDITY         -40 ~ +80°C, 10 ~ 95% RH           TEMP. COEFFICIENT         ±0.2%/°C (0 ~ 50°C)           VIBRATION         10 ~ 500Hz, 2G 10min./1c           SAFETY STANDARDS         UL8750 (only for APC-35-EAC TP TC 004,IP42, BS           WITHSTAND VOLTAGE         I/P-O/P:>100M Ohms / 50           EMC EMISSION <t< td=""><td>RATED CURRENT         350mA         500mA           DC VOLTAGE RANGE         28~100V         25~70V           RATED POWER         35W         35W           CURRENT RIPPLE         5.0%         CURRENT ACCURACY           CURRENT ACCURACY         ±8.0%         SETUP, RISE TIME         1500ms, 40ms / 230VAC         1500ms, 40ms / 115VAC at full load           VOLTAGE RANGE         Note.2         90 ~ 264VAC         127 ~ 370VDC         FREQUENCY RANGE         47 ~ 63Hz           EFFICIENCY(Typ.)         84%         84%         AC CURRENT         0.5A/230VAC;0.75A/115VAC         INRUSH CURRENT(Typ.)           MAX. No. of PSUs on 16A<br/>CIRCUIT BREAKER         5 units (circuit breaker of type B) / 9 units (circuit breaker of type B) / 9 units (circuit breaker)           VOER VOLTAGE         110 ~ 130V         77 ~ 91V           Protection type : Shut down o/p voltage, re-power on to         WORKING TEMP.         -30 ~ 70°C (Refer to "Derating Curve")           WORKING TEMP.         -30 ~ 90% RH non-condensing         STORAGE TEMP., HUMIDITY         20 ~ 90% RH non-condensing           STORAGE TEMP., HUMIDITY         20 ~ 90% Close, period for 60min. each at 20 UL8750 (only for APC-35-700&amp;1050), CSA-C22.2 No. 2 EAC TP TC 004, IP42, BS EN/EN 62368-1 approved           WITHSTAND VOLTAGE         I/P-O/P:3KVAC         ISOLATION RESISTANCE           ISOLATION RESISTANCE</td><td>RATED CURRENT         350mA         500mA         700mA           DC VOLTAGE RANGE         28-100V         25-70V         15-50V           RATED POWER         35W         35W         35W           CURRENT RIPPLE         5.0%         50W         35W           CURRENT ACCURACY         ±8.0%         55TUP, RISE TIME         1500ms, 40ms / 230VAC         1500ms, 40ms / 115VAC at full load           HOLD UP TIME (Typ.)         20ms/230VAC         12ms/115VAC at full load         40C           VOLTAGE RANGE         47 ~ 63Hz         84%         84%           EFFICIENCY(Typ.)         84%         84%         84%           AC CURRENT         0.5A/230VAC; 0.75A/115VAC         10NRUSH CURRENT(Typ.)         6COLD START 45A(twidth=490µs measured at 50% lpeak) at 230VAC           INRUSH CURRENT         0.25mA/ 240VAC         5 units (circuit breaker of type B) / 9 units (circuit breaker of type C) at 230VAC           CIRCUIT BREAKER         5 units (circuit breaker of type N) voltage, re-power on to recover         90 ~ 00KING HUMIDITY         20 ~ 90% RH non-condensing           STORAGE TEMP, HUMIDITY         40 ~ +80°C; 10 ~ 50°C;         Y         20 ~ 90% RH         10           SAFETY STANDARDS         UL8750 (only for APC-35-700&amp;1050); CSA-C22.2 No. 250.0-13 (only for APC-35-1050); EAC TP C 04, IP-0/P:3KVAC         10P-0/P:3KVAC</td></t<> | RATED CURRENT         350mA         500mA           DC VOLTAGE RANGE         28~100V         25~70V           RATED POWER         35W         35W           CURRENT RIPPLE         5.0%         CURRENT ACCURACY           CURRENT ACCURACY         ±8.0%         SETUP, RISE TIME         1500ms, 40ms / 230VAC         1500ms, 40ms / 115VAC at full load           VOLTAGE RANGE         Note.2         90 ~ 264VAC         127 ~ 370VDC         FREQUENCY RANGE         47 ~ 63Hz           EFFICIENCY(Typ.)         84%         84%         AC CURRENT         0.5A/230VAC;0.75A/115VAC         INRUSH CURRENT(Typ.)           MAX. No. of PSUs on 16A<br>CIRCUIT BREAKER         5 units (circuit breaker of type B) / 9 units (circuit breaker of type B) / 9 units (circuit breaker)           VOER VOLTAGE         110 ~ 130V         77 ~ 91V           Protection type : Shut down o/p voltage, re-power on to         WORKING TEMP.         -30 ~ 70°C (Refer to "Derating Curve")           WORKING TEMP.         -30 ~ 90% RH non-condensing         STORAGE TEMP., HUMIDITY         20 ~ 90% RH non-condensing           STORAGE TEMP., HUMIDITY         20 ~ 90% Close, period for 60min. each at 20 UL8750 (only for APC-35-700&1050), CSA-C22.2 No. 2 EAC TP TC 004, IP42, BS EN/EN 62368-1 approved           WITHSTAND VOLTAGE         I/P-O/P:3KVAC         ISOLATION RESISTANCE           ISOLATION RESISTANCE | RATED CURRENT         350mA         500mA         700mA           DC VOLTAGE RANGE         28-100V         25-70V         15-50V           RATED POWER         35W         35W         35W           CURRENT RIPPLE         5.0%         50W         35W           CURRENT ACCURACY         ±8.0%         55TUP, RISE TIME         1500ms, 40ms / 230VAC         1500ms, 40ms / 115VAC at full load           HOLD UP TIME (Typ.)         20ms/230VAC         12ms/115VAC at full load         40C           VOLTAGE RANGE         47 ~ 63Hz         84%         84%           EFFICIENCY(Typ.)         84%         84%         84%           AC CURRENT         0.5A/230VAC; 0.75A/115VAC         10NRUSH CURRENT(Typ.)         6COLD START 45A(twidth=490µs measured at 50% lpeak) at 230VAC           INRUSH CURRENT         0.25mA/ 240VAC         5 units (circuit breaker of type B) / 9 units (circuit breaker of type C) at 230VAC           CIRCUIT BREAKER         5 units (circuit breaker of type N) voltage, re-power on to recover         90 ~ 00KING HUMIDITY         20 ~ 90% RH non-condensing           STORAGE TEMP, HUMIDITY         40 ~ +80°C; 10 ~ 50°C;         Y         20 ~ 90% RH         10           SAFETY STANDARDS         UL8750 (only for APC-35-700&1050); CSA-C22.2 No. 250.0-13 (only for APC-35-1050); EAC TP C 04, IP-0/P:3KVAC         10P-0/P:3KVAC |  |  |



## APC-35 series

