

## Features

- High Efficiency (Up to 93.0%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with Dip-switch
- Non-dimming Control
- Input Surge Protection: 6kV line-line, 10kV line-earth
- All-Around Protection: OVP, SCP, OTP
- Waterproof (IP67) and UL Dry / Damp / Wet Location
- Class 2 & SELV Output
- TYPE HL, for use in a Class I, Division 2 hazardous (Classified) location
- 5 Years Warranty



## Description

The EUP-096SxxxST series is a 96W, constant-current, AOC LED driver that operates from 90-305 Vac input with excellent power factor. It is created for many lighting applications including street, tunnel and bay. The high efficiency of these drivers and compact metal case enables them to run cooler, significantly improving reliability and extending product life. To ensure trouble-free operation, protection is provided against input surge, output over voltage, short circuit, and over temperature.

## Models

| Adjustable Output Current Range | Full-Power Current Range (1) | Default Output Current | Input Voltage Range(2)     | Output Voltage Range | Max. Output Power | Typical Efficiency (3) | Power Factor |        | Model Number                 |
|---------------------------------|------------------------------|------------------------|----------------------------|----------------------|-------------------|------------------------|--------------|--------|------------------------------|
|                                 |                              |                        |                            |                      |                   |                        | 120Vac       | 220Vac |                              |
| 350-700mA                       | 450-700mA                    | 550 mA                 | 90~305 Vac/<br>127~300 Vdc | 74~213Vdc            | 96 W              | 93.0%                  | 0.99         | 0.96   | EUP-096S070ST                |
| 700-1050mA                      | 700-1050mA                   | 700 mA                 | 90~305 Vac/<br>127~300 Vdc | 48~137Vdc            | 96 W              | 93.0%                  | 0.99         | 0.96   | EUP-096S105ST                |
| 850-1500mA                      | 1050-1500mA                  | 1050 mA                | 90~305 Vac/<br>127~300 Vdc | 32~91Vdc             | 96 W              | 92.5%                  | 0.99         | 0.96   | EUP-096S150ST <sup>(4)</sup> |
| 1000-2100mA                     | 1400-2100mA                  | 2100 mA                | 90~305 Vac/<br>127~300 Vdc | 24 ~ 69Vdc           | 96 W              | 92.0%                  | 0.99         | 0.96   | EUP-096S210ST <sup>(4)</sup> |
| 1250-2150mA                     | 1750-2150mA                  | 1750 mA                | 90~305 Vac/<br>127~300 Vdc | 24 ~ 55Vdc           | 96 W              | 92.0%                  | 0.99         | 0.96   | EUP-096S215ST <sup>(5)</sup> |
| 2100-3500mA                     | 2625-3500mA                  | 2800 mA                | 90~305 Vac/<br>127~300 Vdc | 14 ~ 36Vdc           | 96 W              | 91.5%                  | 0.99         | 0.96   | EUP-096S350ST <sup>(5)</sup> |

- Notes:** (1) Output current range with constant power at 96W  
 (2) Certified input voltage range: UL, FCC 100-277Vac or 127-300Vdc; otherwise 100-240Vac or 127-250Vdc (except KS)  
 (3) Measured at 100% load and 220Vac input (see below "General Specifications" for details).  
 (4) SELV Output.  
 (5) Class 2 & SELV Output.

## Input Specifications

| Parameter       | Min.   | Typ. | Max.    | Notes       |
|-----------------|--------|------|---------|-------------|
| Input Voltage   | 90 Vac | -    | 305 Vac | 127~300 Vdc |
| Input Frequency | 47 Hz  | -    | 63 Hz   |             |

## Input Specifications (Continued)

| Parameter                        | Min. | Typ. | Max.                  | Notes   |
|----------------------------------|------|------|-----------------------|---|
| Leakage Current                  | -    | -    | 0.75 MIU              | UL8750; 277Vac/ 60Hz  |
|                                  | -    | -    | 0.70 mA               | IEC60598-1; 240Vac/ 60Hz,   |
| Input AC Current                 | -    | -    | 1.10 A                | Measured at 100% load and 120 Vac input.  |
|                                  | -    | -    | 0.65 A                | Measured at 100% load and 220 Vac input.  |
| Inrush Current(I <sup>2</sup> t) | -    | -    | 1.30 A <sup>2</sup> s | At 220Vac input, 25°C cold start, duration=640µs, 10%Ipk-10%Ipk. See Inrush Current Waveform for the details. |
| PF                               | 0.9  | -    | -                     | At 100-277Vac, 50-60Hz, 70%-100% Load (67-96W)  |
| THD                              | -    | -    | 20%                   |   |
| THD                              | -    | -    | 10%                   | At 220-240Vac, 50-60Hz, 75%-100% Load (72-96W)  |

## Output Specifications

| Parameter  | Min.     | Typ.    | Max.     | Notes                                   |
|--|----------|---------|----------|---|
| Output Current Tolerance                         | -5%loset | -       | 5%loset  | 100% load                               |
| Output Current Setting(loset) Range              |          |         |          |   |
| EUP-096S070ST                                    | 350 mA   | -       | 700 mA   |   |
| EUP-096S105ST                                    | 700 mA   | -       | 1050 mA  |   |
| EUP-096S150ST                                    | 850 mA   | -       | 1500 mA  |   |
| EUP-096S210ST                                    | 1000 mA  | -       | 2100 mA  |   |
| EUP-096S215ST                                    | 1250 mA  | -       | 2150 mA  |   |
| EUP-096S350ST                                    | 2100 mA  | -       | 3500 mA  |   |
| Output Current Setting Range with Constant Power |          |         |          |   |
| EUP-096S070ST                                    | 450 mA   | -       | 700 mA   |   |
| EUP-096S105ST                                    | 700 mA   | -       | 1050 mA  |   |
| EUP-096S150ST                                    | 1050 mA  | -       | 1500 mA  |   |
| EUP-096S210ST                                    | 1400 mA  | -       | 2100 mA  |   |
| EUP-096S215ST                                    | 1750 mA  | -       | 2150 mA  |   |
| EUP-096S350ST                                    | 2625 mA  | -       | 3500 mA  |   |
| Total Output Current Ripple (pk-pk)              | -        | 5%Iomax | 10%Iomax | 100% load. 20 MHz BW                    |
| Startup Overshoot Current                        | -        | -       | 10%Iomax | 100% load                               |
| No Load Output Voltage                           |          |         |          |   |
| EUP-096S070ST                                    | -        | -       | 250 V    |   |
| EUP-096S105ST                                    | -        | -       | 160 V    |   |
| EUP-096S150ST                                    | -        | -       | 110 V    |   |
| EUP-096S210ST                                    | -        | -       | 85 V     |   |
| EUP-096S215ST                                    | -        | -       | 60 V     |   |
| EUP-096S350ST                                    | -        | -       | 42 V     |   |
| Line Regulation                                  | -        | -       | ±0.5%    | 100% load                               |
| Load Regulation                                  | -        | -       | ±1.5%    |   |
| Turn-on Delay Time                               | -        | -       | 1.0 s    | Measured at 120Vac input, 70%-100% Load |
|  | -        | -       | 0.5 s    | Measured at 220Vac input, 70%-100% Load |

## Output Specifications (Continued)

| Parameter                                     | Min. | Typ.     | Max. | Notes                                      |
|---|------|----------|------|--|
| Temperature Coefficient of I <sub>o</sub> set | -    | 0.03%/°C | -    | Case temperature = 0°C ~T <sub>c</sub> max |

**Note:** All specifications are typical at 25°C unless otherwise stated.

## General Specifications

| Parameter                    | Min.  | Typ.  | Max. | Notes  |
|------------------------------|-------|-------|------|--|
| Efficiency at 120 Vac input: |       |       |      | Measured at 100% load and steady-state temperature in 25°C ambient; (Efficiency will be about 2.0% lower if measured immediately after startup.) |
| EUP-096S070ST                |       |       |      |  |
| I <sub>o</sub> = 450 mA      | 88.5% | 90.5% | -    |  |
| I <sub>o</sub> = 700 mA      | 87.5% | 89.5% | -    |  |
| EUP-096S105ST                |       |       |      |  |
| I <sub>o</sub> = 700 mA      | 88.5% | 90.5% | -    |  |
| I <sub>o</sub> =1050 mA      | 87.0% | 89.0% | -    |  |
| EUP-096S150ST                |       |       |      |  |
| I <sub>o</sub> =1050 mA      | 88.0% | 90.0% | -    |  |
| I <sub>o</sub> =1500 mA      | 86.5% | 88.5% | -    |  |
| EUP-096S210ST                |       |       |      |  |
| I <sub>o</sub> =1400 mA      | 87.5% | 89.5% | -    |  |
| I <sub>o</sub> =2100 mA      | 86.5% | 88.5% | -    |  |
| EUP-096S215ST                |       |       |      |  |
| I <sub>o</sub> =1750 mA      | 88.0% | 90.0% | -    |  |
| I <sub>o</sub> =2150 mA      | 86.5% | 88.5% | -    |  |
| EUP-096S350ST                |       |       |      |  |
| I <sub>o</sub> =2625 mA      | 87.5% | 89.5% | -    |  |
| I <sub>o</sub> =3500 mA      | 86.0% | 88.0% | -    |  |
| Efficiency at 220 Vac input: |       |       |      | Measured at 100% load and steady-state temperature in 25°C ambient; (Efficiency will be about 2.0% lower if measured immediately after startup.) |
| EUP-096S070ST                |       |       |      |  |
| I <sub>o</sub> = 450 mA      | 91.0% | 93.0% | -    |  |
| I <sub>o</sub> = 700 mA      | 89.5% | 91.5% | -    |  |
| EUP-096S105ST                |       |       |      |  |
| I <sub>o</sub> = 700 mA      | 91.0% | 93.0% | -    |  |
| I <sub>o</sub> =1050 mA      | 89.5% | 91.5% | -    |  |
| EUP-096S150ST                |       |       |      |  |
| I <sub>o</sub> =1050 mA      | 90.5% | 92.5% | -    |  |
| I <sub>o</sub> =1500 mA      | 89.0% | 91.0% | -    |  |
| EUP-096S210ST                |       |       |      |  |
| I <sub>o</sub> =1400 mA      | 90.0% | 92.0% | -    |  |
| I <sub>o</sub> =2100 mA      | 89.0% | 91.0% | -    |  |
| EUP-096S215ST                |       |       |      |  |
| I <sub>o</sub> =1750 mA      | 90.0% | 92.0% | -    |  |
| I <sub>o</sub> =2150 mA      | 89.0% | 91.0% | -    |  |
| EUP-096S350ST                |       |       |      |  |
| I <sub>o</sub> =2625 mA      | 89.5% | 91.5% | -    |  |
| I <sub>o</sub> =3500 mA      | 88.5% | 90.5% | -    |  |

## General Specifications (Continued)

| Parameter  | Min.               | Typ.          | Max.  | Notes  |
|--|--------------------|---------------|-------|--|
| Efficiency at 277 Vac input:<br>EUP-096S070ST            |                    |               |       | Measured at 100% load and steady-state temperature in 25°C ambient; (Efficiency will be about 2.0% lower if measured immediately after startup.) |
| I <sub>o</sub> = 450 mA                                  | 91.0%              | 93.0%         | -     |  |
| I <sub>o</sub> = 700 mA                                  | 90.0%              | 92.0%         | -     |  |
| EUP-096S105ST  |                    |               |       |  |
| I <sub>o</sub> = 700 mA                                  | 91.5%              | 93.5%         | -     |  |
| I <sub>o</sub> =1050 mA                                  | 90.0%              | 92.0%         | -     |  |
| EUP-096S150ST  |                    |               |       |  |
| I <sub>o</sub> =1050 mA                                  | 90.5%              | 92.5%         | -     |  |
| I <sub>o</sub> =1500 mA                                  | 89.0%              | 91.0%         | -     |  |
| EUP-096S210ST  |                    |               |       |  |
| I <sub>o</sub> =1400 mA                                  | 90.0%              | 92.0%         | -     |  |
| I <sub>o</sub> =2100 mA                                  | 89.0%              | 91.0%         | -     |  |
| EUP-096S215ST  |                    |               |       |  |
| I <sub>o</sub> =1750 mA                                  | 90.5%              | 92.5%         | -     |  |
| I <sub>o</sub> =2150 mA                                  | 89.0%              | 91.0%         | -     |  |
| EUP-096S350ST  |                    |               |       |  |
| I <sub>o</sub> =2625 mA                                  | 90.0%              | 92.0%         | -     |  |
| I <sub>o</sub> =3500 mA                                  | 89.0%              | 91.0%         | -     |  |
| MTBF   | -                  | 355,000 Hours | -     | Measured at 220Vac input, 80%Load and 25°C ambient temperature (MIL-HDBK-217F)   |
| Lifetime   | -                  | 77,000 Hours  | -     | Measured at 220Vac input, 80%Load and 70°C case temperature; See lifetime vs. T <sub>c</sub> curve for the details                               |
| Operating Case Temperature for Safety T <sub>c_s</sub>   | -40°C              | -             | +89°C |  |
| Operating Case Temperature for Warranty T <sub>c_w</sub> | -40°C              | -             | +75°C | Case temperature for 5 years warranty  |
| Storage Temperature                                      | -40°C              | -             | +85°C | Humidity: 5%RH to 100%RH   |
| Dimensions   |                    |               |       | With mounting ear  |
| Inches (L × W × H)                                       | 6.34 × 2.37 × 1.44 |               |       | 7.17 × 2.37 × 1.44   |
| Millimeters (L × W × H)                                  | 161 × 60 × 36.5    |               |       | 182 × 60 × 36.5  |
| Net Weight   | -                  | 750 g         | -     |  |

**Note:** All specifications are typical at 25°C unless otherwise stated.

## Safety & EMC Compliance

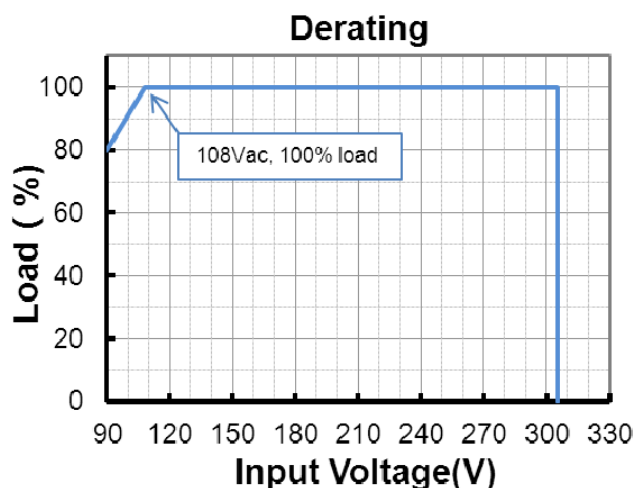
| Safety Category         | Standard  |
|-------------------------|---|
| UL/CUL                  | UL 8750, UL 1310, CAN/CSA-C22.2 No. 250.13, CAN/CSA-C22.2 No. 223-M91 |
| CE                      | EN 61347-1, EN61347-2-13  |
| KS                      | KS C 7655   |
| EMI Standards           | Notes   |
| EN 55015 <sup>(1)</sup> | Conducted emission Test & Radiated emission Test                      |
| EN 61000-3-2            | Harmonic current emissions  |
| EN 61000-3-3            | Voltage fluctuations & flicker  |

## Safety & EMC Compliance

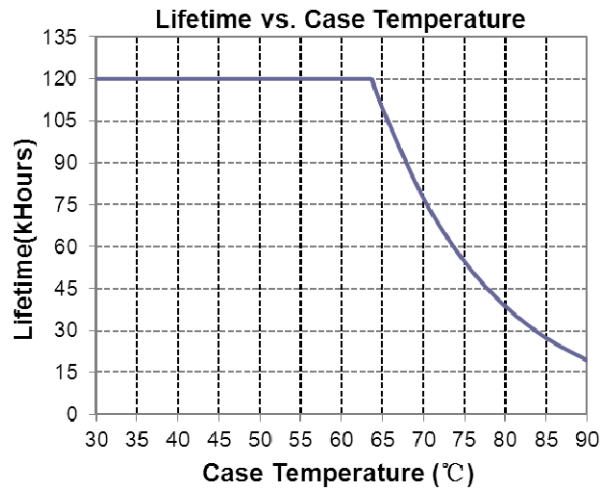
| EMI Standards              | Notes   |
|----------------------------|---|
| FCC Part 15 <sup>(1)</sup> | ANSI C63.4 Class B  |
|                            | This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: [1] this device may not cause harmful interference, and [2] this device must accept any interference received, including interference that may cause undesired Operation. |
| EMS Standards              | Notes   |
| EN 61000-4-2               | Electrostatic Discharge (ESD): 8 kV air discharge, 4 kV contact discharge   |
| EN 61000-4-3               | Radio-Frequency Electromagnetic Field Susceptibility Test-RS  |
| EN 61000-4-4               | Electrical Fast Transient / Burst-EFT   |
| EN 61000-4-5               | Surge Immunity Test: AC Power Line: line to line 6 kV, line to earth 10 kV <sup>(2)</sup>   |
| EN 61000-4-6               | Conducted Radio Frequency Disturbances Test-CS  |
| EN 61000-4-8               | Power Frequency Magnetic Field Test   |
| EN 61000-4-11              | Voltage Dips  |
| EN 61547                   | Electromagnetic Immunity Requirements Applies To Lighting Equipment   |

- Note:** (1) This LED driver meets the EMI specifications above, but EMI performance of a luminaire that contains it depends also on the other devices connected to the driver and on the fixture itself.
- (2) To perform electric strength (hi-pot) testing, the “GDT ground disconnect” (nut and metal lock sheet) on the driver end-cap should be removed temporarily to prevent the internal gas discharge tube from conducting (as allowed by IEC 60598-1 Clause 10.2). After testing is completed, these items must be reinstalled to restore line-to-earth surge protection and secure the end cap.

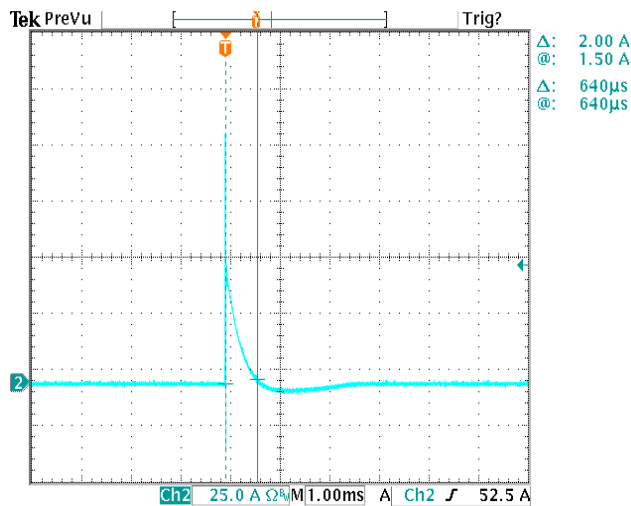
## Derating



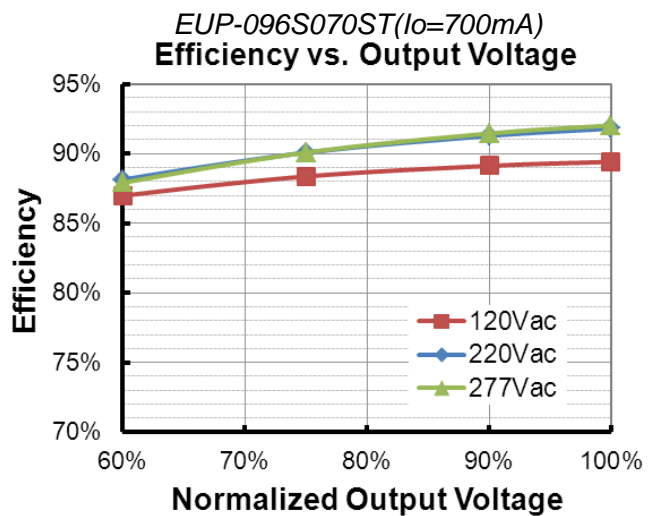
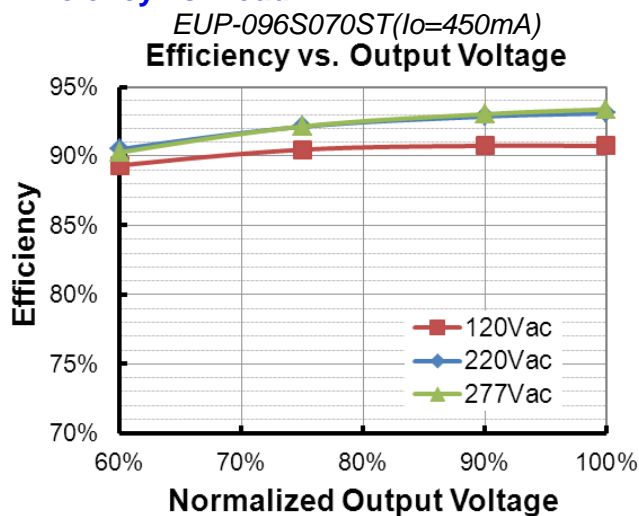
## Lifetime vs. Case Temperature

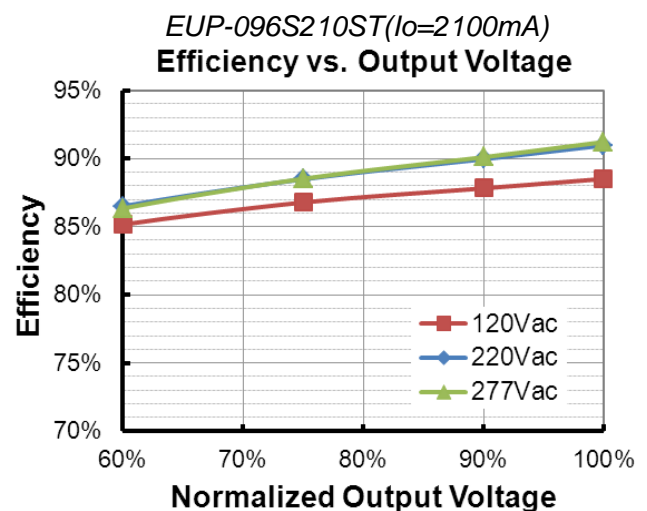
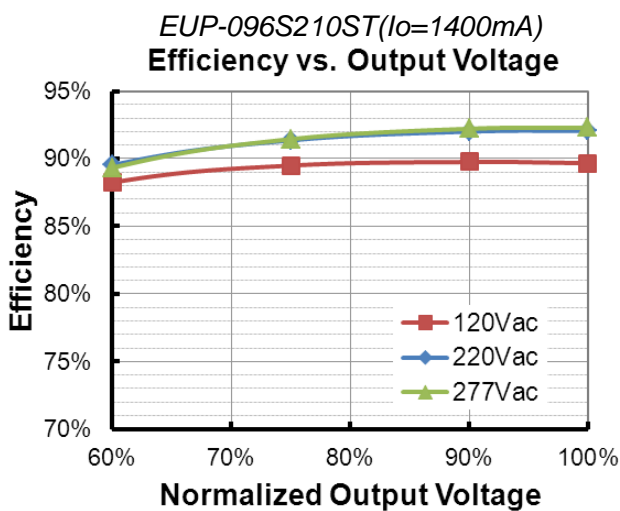
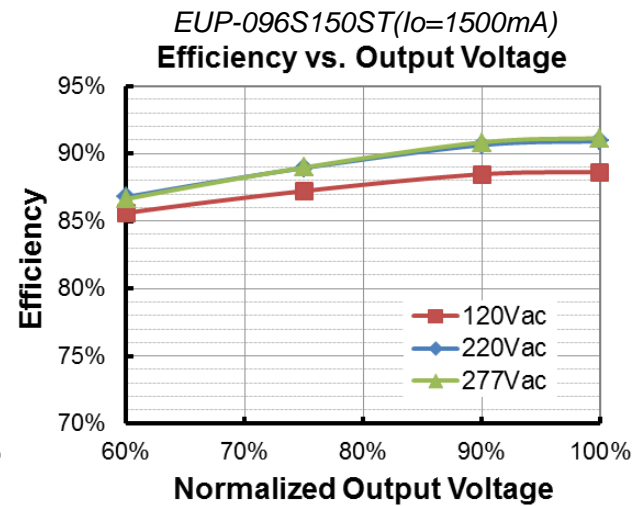
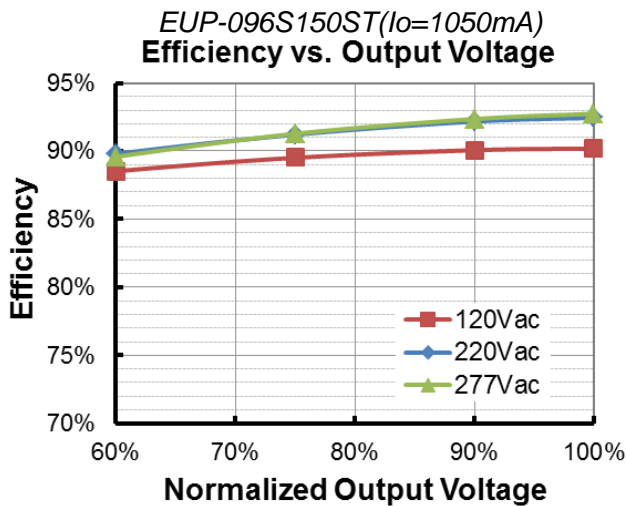
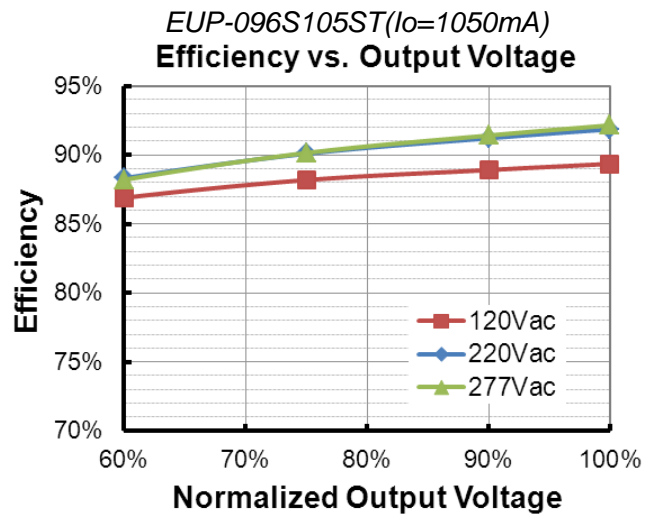
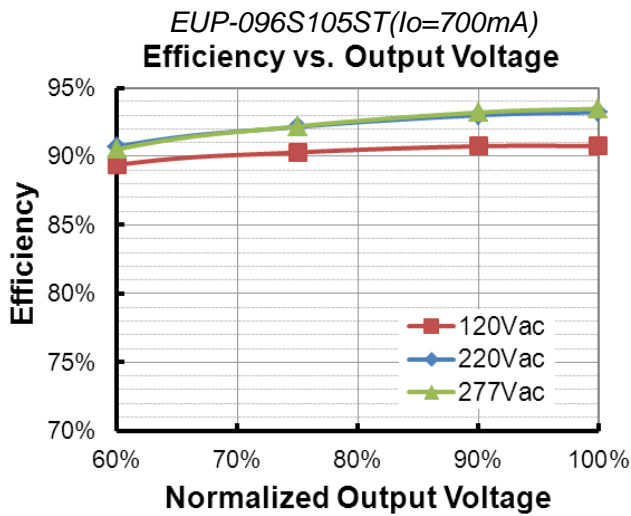


## Inrush Current Waveform

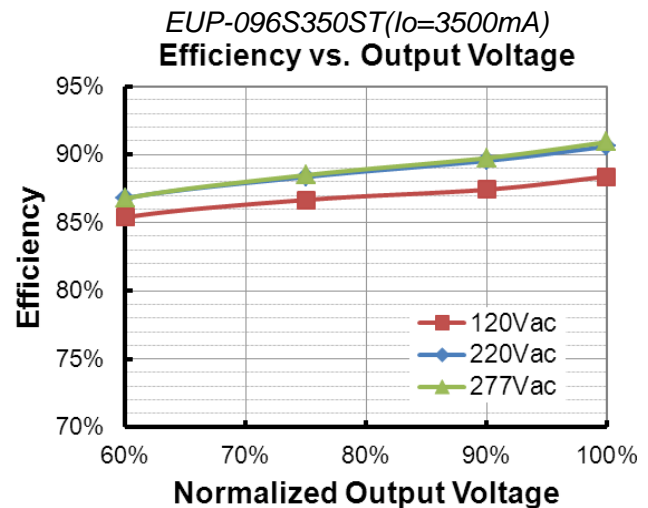
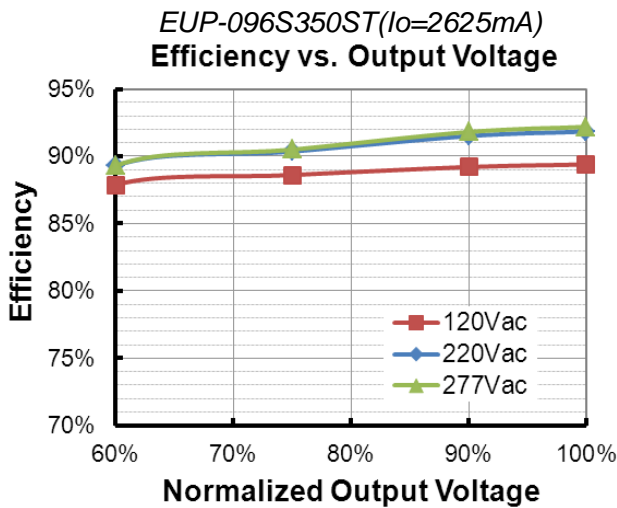
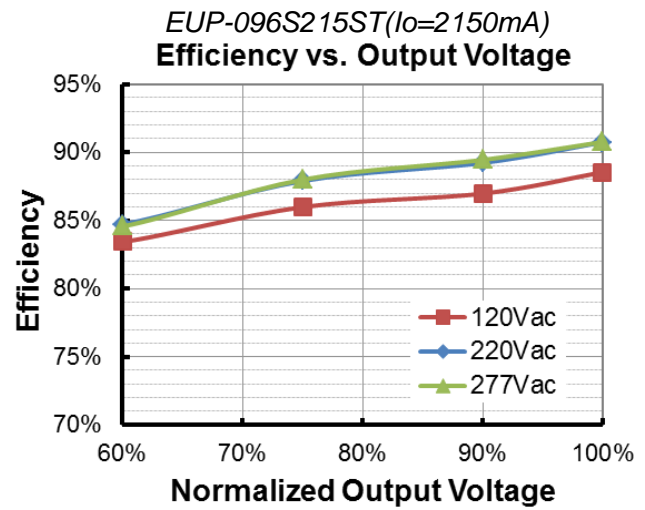
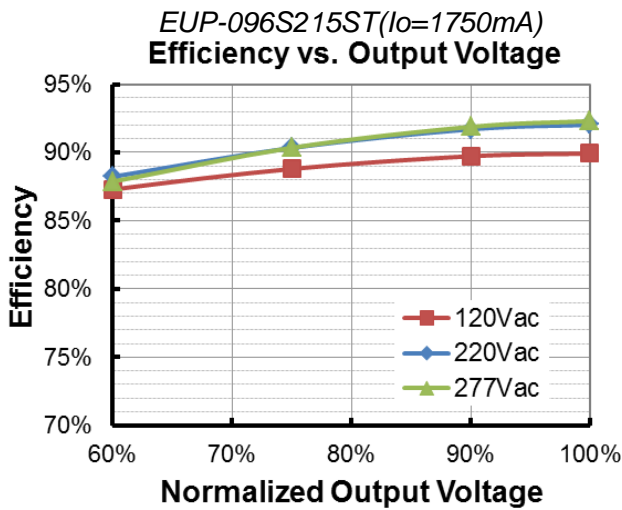


## Efficiency vs. Load

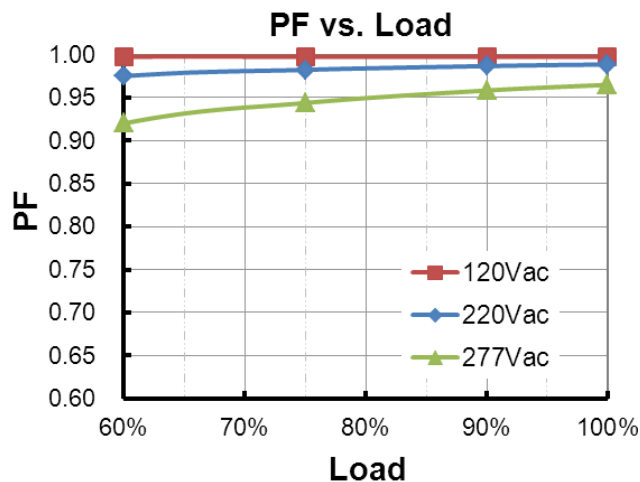






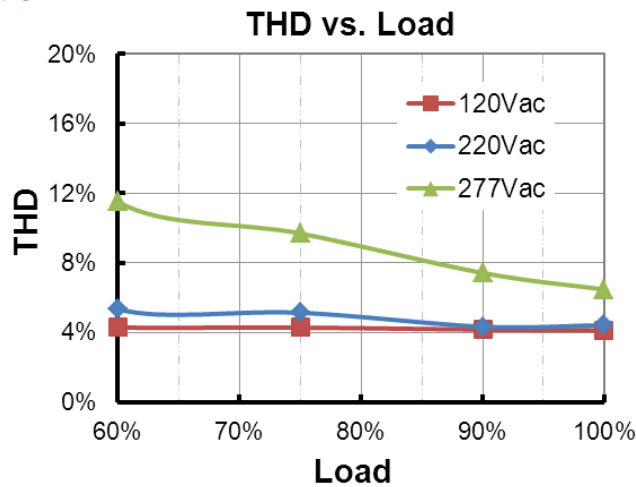


## Power Factor





## Total Harmonic Distortion



## Protection Functions

| Parameter                   | Notes  |
|-----------------------------|--|
| Over Temperature Protection | Decreases output current, returning to normal after over temperature is removed.   |
| Short Circuit Protection    | Auto Recovery. No damage will occur when any output is short circuited. The output shall return to normal when the fault condition is removed. |
| Over Voltage Protection     | Limits output voltage at no load and in case the normal voltage limit fails.   |

## Output Current vs. Dip Switch Setting

### ● EUP-096S070ST

| Dip Switch Setting |     |     |     | Output Current Setting (loset) | Output Voltage Range |      | Notes                                       |
|--------------------|-----|-----|-----|--------------------------------|----------------------|------|---|
| 1                  | 2   | 3   | 4   | Typ.                           | Min.                 | Max. | /   |
| OFF                | ON  | ON  | ON  | 700mA                          | 74V                  | 137V | Output Current Setting with Constant Power. |
| OFF                | ON  | ON  | OFF | 650mA                          | 74V                  | 148V |   |
| OFF                | ON  | OFF | ON  | 600mA                          | 80V                  | 160V |   |
| OFF                | ON  | OFF | OFF | 550mA                          | 87V                  | 174V |   |
| OFF                | OFF | ON  | ON  | 500mA                          | 96V                  | 192V |   |
| OFF                | OFF | ON  | OFF | 450mA                          | 107V                 | 213V |   |
| OFF                | OFF | OFF | ON  | 400mA                          | 120V                 | 213V | Output Current Setting with Power Derating. |
| OFF                | OFF | OFF | OFF | 350mA                          | 137V                 | 213V |   |

● EUP-096S105ST

| Dip Switch Setting |     |     |     | Output Current Setting (loset) | Output Voltage Range |      | Notes                                       |
|--------------------|-----|-----|-----|--------------------------------|----------------------|------|---|
| 1                  | 2   | 3   | 4   | Typ.                           | Min.                 | Max. | /   |
| ON                 | ON  | ON  | ON  | 1050mA                         | 48V                  | 91V  | Output Current Setting with Constant Power. |
| ON                 | ON  | ON  | OFF | 1000mA                         | 48V                  | 96V  |   |
| ON                 | ON  | OFF | ON  | 950mA                          | 51V                  | 101V |   |
| ON                 | ON  | OFF | OFF | 900mA                          | 53V                  | 106V |   |
| ON                 | OFF | ON  | ON  | 850mA                          | 57V                  | 113V |   |
| ON                 | OFF | ON  | OFF | 800mA                          | 60V                  | 120V |   |
| ON                 | OFF | OFF | ON  | 750mA                          | 64V                  | 128V |   |
| ON                 | OFF | OFF | OFF | 700mA                          | 69V                  | 137V |   |

● EUP-096S150ST

| Dip Switch Setting |     |     |     | Output Current Setting (loset) | Output Voltage Range |       | Notes                                       |
|--------------------|-----|-----|-----|--------------------------------|----------------------|-------|---|
| 1                  | 2   | 3   | 4   | Typ.                           | Min.                 | Max.  | /   |
| ON                 | ON  | ON  | ON  | 1500mA                         | 32V                  | 64V   | Output Current Setting with Constant Power. |
| ON                 | ON  | ON  | OFF | 1450mA                         | 33V                  | 66V   |   |
| ON                 | ON  | OFF | ON  | 1400mA                         | 35V                  | 68.5V |   |
| ON                 | ON  | OFF | OFF | 1350mA                         | 36V                  | 71V   |   |
| ON                 | OFF | ON  | ON  | 1300mA                         | 37V                  | 74V   |   |
| ON                 | OFF | ON  | OFF | 1250mA                         | 39V                  | 77V   |   |
| ON                 | OFF | OFF | ON  | 1200mA                         | 40V                  | 80V   |   |
| ON                 | OFF | OFF | OFF | 1150mA                         | 42V                  | 83.5V |   |
| OFF                | ON  | ON  | ON  | 1100mA                         | 44V                  | 87V   |   |
| OFF                | ON  | ON  | OFF | 1050mA                         | 46V                  | 91V   | Output Current Setting with Power Derating. |
| OFF                | ON  | OFF | ON  | 1000mA                         | 48V                  | 91V   |   |
| OFF                | ON  | OFF | OFF | 950mA                          | 51V                  | 91V   |   |
| OFF                | OFF | ON  | ON  | 900mA                          | 54V                  | 91V   |   |
| OFF                | OFF | ON  | OFF | 850mA                          | 57V                  | 91V   |   |

● EUP-096S210ST

| Dip Switch Setting |     |     |     | Output Current Setting (I <sub>o</sub> set) | Output Voltage Range |       | Notes                                       |
|--------------------|-----|-----|-----|---|----------------------|-------|---|
| 1                  | 2   | 3   | 4   | Typ.  | Min.                 | Max.  | /   |
| ON                 | ON  | ON  | ON  | 2100mA                                      | 24V                  | 45.5V | Output Current Setting with Constant Power. |
| ON                 | ON  | ON  | OFF | 2000mA                                      | 24V                  | 48V   |   |
| ON                 | ON  | OFF | ON  | 1900mA                                      | 26V                  | 50.5V |   |
| ON                 | ON  | OFF | OFF | 1800mA                                      | 27V                  | 53V   |   |
| ON                 | OFF | ON  | ON  | 1700mA                                      | 29V                  | 56.5V |   |
| ON                 | OFF | ON  | OFF | 1600mA                                      | 30V                  | 60V   |   |
| ON                 | OFF | OFF | ON  | 1500mA                                      | 32V                  | 64V   |   |
| ON                 | OFF | OFF | OFF | 1400mA                                      | 35V                  | 69V   |   |
| OFF                | ON  | ON  | ON  | 1300mA                                      | 37V                  | 69V   | Output Current Setting with Power Derating. |
| OFF                | ON  | ON  | OFF | 1200mA                                      | 40V                  | 69V   |   |
| OFF                | ON  | OFF | ON  | 1100mA                                      | 44V                  | 69V   |   |
| OFF                | ON  | OFF | OFF | 1000mA                                      | 48V                  | 69V   |   |

● EUP-096S215ST

| Dip Switch Setting |     |     |     | Output Current Setting (I <sub>o</sub> set) | Output Voltage Range |       | Notes                                       |
|--------------------|-----|-----|-----|---|----------------------|-------|---|
| 1                  | 2   | 3   | 4   | Typ.  | Min.                 | Max.  | /   |
| ON                 | ON  | ON  | ON  | 2150mA                                      | 24V                  | 44.5V | Output Current Setting with Constant Power. |
| ON                 | ON  | ON  | OFF | 2050mA                                      | 24V                  | 46.5V |   |
| ON                 | ON  | OFF | ON  | 1950mA                                      | 25V                  | 49V   |   |
| ON                 | ON  | OFF | OFF | 1850mA                                      | 26V                  | 52V   |   |
| ON                 | OFF | ON  | ON  | 1750mA                                      | 28V                  | 55V   |   |
| ON                 | OFF | ON  | OFF | 1650mA                                      | 29V                  | 55V   | Output Current Setting with Power Derating. |
| ON                 | OFF | OFF | ON  | 1550mA                                      | 31V                  | 55V   |   |
| ON                 | OFF | OFF | OFF | 1450mA                                      | 33V                  | 55V   |   |
| OFF                | ON  | ON  | ON  | 1350mA                                      | 36V                  | 55V   |   |
| OFF                | ON  | ON  | OFF | 1250mA                                      | 39V                  | 55V   |   |

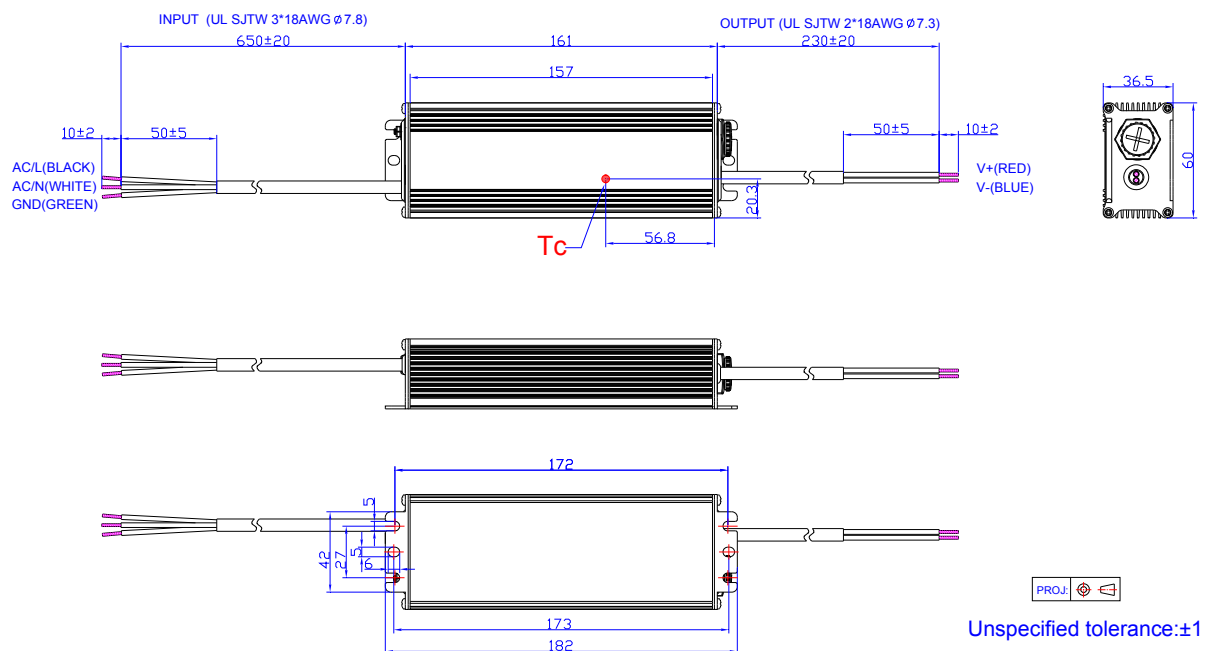
● EUP-096S350ST

| Dip Switch Setting |     |     |     | Output Current Setting (loset) | Output Voltage Range |       | Notes                                       |
|--------------------|-----|-----|-----|--------------------------------|----------------------|-------|---|
| 1                  | 2   | 3   | 4   | Typ.                           | Min.                 | Max.  | /   |
| ON                 | ON  | ON  | ON  | 3500mA                         | 14V                  | 27.5V | Output Current Setting with Constant Power. |
| ON                 | ON  | ON  | OFF | 3325mA                         | 15V                  | 28.5V |   |
| ON                 | ON  | OFF | ON  | 3150mA                         | 16V                  | 30.5V |   |
| ON                 | ON  | OFF | OFF | 2975mA                         | 16V                  | 32V   |   |
| ON                 | OFF | ON  | ON  | 2800mA                         | 17V                  | 34V   |   |
| ON                 | OFF | ON  | OFF | 2625mA                         | 18V                  | 36V   |   |
| ON                 | OFF | OFF | ON  | 2450mA                         | 20V                  | 36V   | Output Current Setting with Power Derating. |
| ON                 | OFF | OFF | OFF | 2275mA                         | 21V                  | 36V   |   |
| OFF                | ON  | ON  | ON  | 2100mA                         | 23V                  | 36V   |   |

**Notes:**

1. Dip switch must be set in the setting range as specified to insure the driver operates as expected.
2. Endcap covering dip switch must be tight to insure IP67 rating.

**Mechanical Outline**



**RoHS Compliance**

Our products comply with the European Directive 2011/65/EC, calling for the elimination of lead and other hazardous substances from electronic products.

## Revision History

| Change Date | Rev. | Description of Change                            |  |              |
|-------------|------|--|--|--------------|
|             |      | Item   | From   | To           |
| 2016-08-09  | A    | Datasheets Release                               | /  | /            |
| 2017/11/29  | B    | Features   | /  | Updated      |
|             |      | Models   | EUP-096S150ST  | Added        |
|             |      | Input Specifications                             | PF/THD   | Updated      |
|             |      | Output Current Setting(losset) Range             | EUP-096S150ST  | Added        |
|             |      | Output Current Setting Range with Constant Power | EUP-096S150ST  | Added        |
|             |      | No Load Output Voltage                           | EUP-096S150ST  | Added        |
|             |      | Temperature Coefficient of losset                | Max 0.03%/°C   | Typ 0.03%/°C |
|             |      | Efficiency at 120 Vac input                      | EUP-096S150ST  | Added        |
|             |      | Efficiency at 220 Vac input                      | EUP-096S150ST  | Added        |
|             |      | Efficiency at 277 Vac input                      | EUP-096S150ST  | Added        |
|             |      | General Specifications                           | Operating Case Temperature for Warranty Tc_w           | Updated      |
|             |      | Safety &EMC Compliance                           | /  | Updated      |
|             |      | Efficiency vs. Load                              | EUP-096S150ST  | Added        |
|             |      | Output Current vs. Dip Switch Setting            | EUP-096S150ST  | Added        |
| 2018-03-02  | C    | Description                                      | /  | Updated      |
|             |      | Models   | EUP-096S215ST  | Added        |
|             |      | Output Specifications                            | Output Current Setting(losset) Range                   | Updated      |
|             |      | Output Specifications                            | Output Current Setting Range with Constant Power       | Updated      |
|             |      | Output Specifications                            | No Load Output Voltage                                 | Updated      |
|             |      | General Specifications                           | Efficiency at 120 Vac input:                           | Updated      |
|             |      | General Specifications                           | Efficiency at 220 Vac input:                           | Updated      |
|             |      | General Specifications                           | Efficiency at 270 Vac input:                           | Updated      |
|             |      | Efficiency vs. Load                              | EUP-096S215ST (Io=1750mA)<br>EUP-096S215ST (Io=2150mA) | Added        |
|             |      | Output Current vs. Dip-Switch Setting            | EUP-096S215ST  | Added        |
| 2018-04-20  | D    | Mechanical Outline                               | /  | Updated      |