

# SIGNBRIDGE PLUS

100 W LED driver. Model: BPSP-100-12V.1



## FEATURES

- Metal housing design with functional ground
- Built-in active PFC function
- IP68 rating for indoor or outdoor installations
- Typical lifetime  $\geq 50,000$  hours
- 5 years warranty

## CONFORMITY & STANDARDS

EMC Emission:

- compliance to EN55015

EMC Immunity:

- EN55015
- EN61547
- EN61000-3-2
- EN61000-3-3
- CB
- ENEC
- CE-LVD:
  - IEC/EN61347-1,
  - IEC/EN61347-2-13,
  - UL8750
  - UL1310



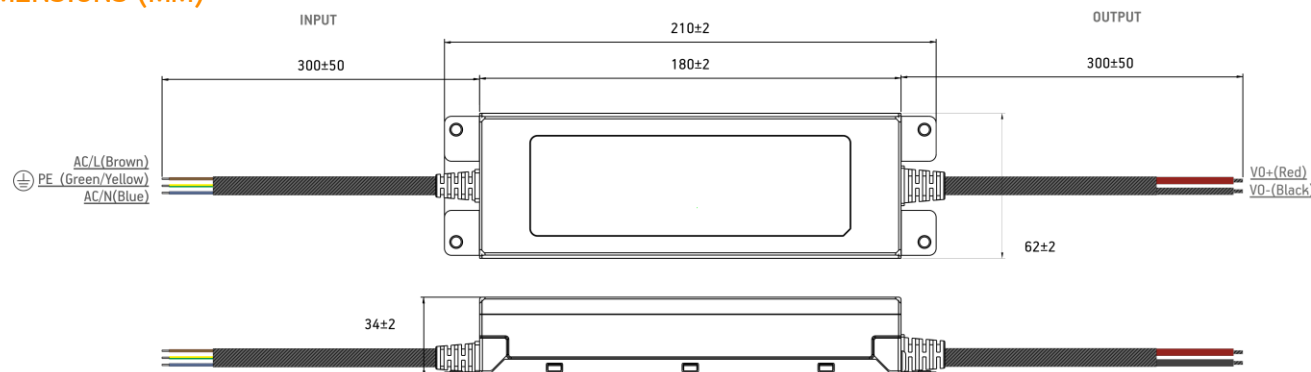
## GENERAL SPECIFICATIONS

|                                 |                                                                          |
|---------------------------------|--------------------------------------------------------------------------|
| EFFICIENCY (TYP.)               | $\geq 88\%$ (230 VAC)                                                    |
| COLD START                      | 3000 ms (230 VAC)                                                        |
| TOTAL HARMONIC DISTORTION (THD) | $< 20\%$                                                                 |
| OPERATING CONDITIONS            | $-40^{\circ}\text{C} \sim +55^{\circ}\text{C}$ ; $20 \sim 95\%$ humidity |
| STORAGE CONDITIONS              | $-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$ ; $10 \sim 95\%$ humidity |
| IP CLASS                        | IP68                                                                     |
| PROTECTIONS INCLUDED            | Over voltage<br>Over current<br>Short circuit<br>Over temperature        |
| WARRANTY                        | 5 years, $\geq 50\,000$ h                                                |

## QUANTITY OF DRIVERS PER CIRCUIT BREAKER

|                                |                                |
|--------------------------------|--------------------------------|
| CIRCUIT BREAKER OF TYPE C 16 A | CIRCUIT BREAKER OF TYPE C 25 A |
| 3 units (230 VAC)              | 8 units (230 VAC)              |

## DIMENSIONS (MM)



## INPUT

|                      |                           |
|----------------------|---------------------------|
| INPUT VOLTAGE RANGE  | 200 – 240 Vac; 50 – 60 Hz |
| MAX INPUT AC CURRENT | 0.8 A Max                 |
| MAX INRUSH CURRENT   | $\leq 80$ A               |
| POWER FACTOR         | $\geq 0.95$ (230 VAC)     |

## OUTPUT

|                |        |
|----------------|--------|
| OUTPUT CURRENT | 8.33 A |
| OUTPUT VOLTAGE | 12 V   |
| OUTPUT POWER   | 100 W  |

## ORDERING INFORMATION

| SKU            | UNIT NET WEIGHT, G | UNIT DIMENSIONS (LxWxH), MM | STATUS    |
|----------------|--------------------|-----------------------------|-----------|
| BPSP-100-12V.1 | 750.0              | 180 x 62 x 34               | AVAILABLE |