

POE Injector (Single Port)

Output power : 30W-90W

Features

- Universal AC input/Full range
- Compatible with all IEEE pre 802.3af, 802.3at and legacy powered devices
- Support 300Vac input for long time work
- Built-in output over load and over voltage protection
- MTBF≥1Mhrs
- Input and output surge protection
- Fanless designed and application
- IEC/EN/UL 60950-1
- RoHS6
- Physical dimensions: 183*70.8*37mm



General specifications

| MPN | LAS30-57CN-RJ45 | | LAS45-57CN-RJ45-S3 | | LAS60-57CN-RJ45 | | LAS75-57CN-RJ45 | | LAS90-57CN-RJ45 | | | |
|-------------------------------|---|--|-----------------------------------|--|-----------------|--|--------------------------------|--|-----------------|-----------|--|--|
| Input characteristics | Input voltage range | 90-264Vac | | 85-286Vac | | 90-264Vac | | 90-264Vac | | 90-264Vac | | |
| | Input current(max.) | 2A | | 2A | | 2A | | 2.5A | | 3A | | |
| Output characteristics | Frequency | 47~63Hz | | | | | | | | | | |
| | Output voltage | 54-57Vdc | | 54-57Vdc | | 54-57Vdc | | 53-57Vdc | | 53-57Vdc | | |
| | Output power | 30W | | 45W | | 60W | | 75W | | 90W | | |
| | Output voltage precision | -4%Vo ~+2%Vo | | | | | | | | | | |
| | Load regulation (max.) | ±1%Vo | | ±2%Vo | | ±1%Vo | | ±1%Vo | | ±1%Vo | | |
| | Pin assignment and polarity | Data pairs | 1/2(+) and 3/6(-)(No power wires) | | | | 1/2(+) and 3/6(-)(Power wires) | | | | | |
| | | Spare pairs | 4/5(+) and 7/8(-)(Power wires) | | | | 4/5(+) and 7/8(-)(Power wires) | | | | | |
| | Pass through data rates | 10/100/1000 Mbps | | | | | | | | | | |
| | Port | 2 (Two 10/100/1000M adaptive RJ45 ports: one is DATA/IN another is POE/DATA) | | | | | | | | | | |
| | LED indicator | Power&PoE Status (MID is on when using power wires 4/5(+) and 7/8(-)) | | PWR(green): "PWR" lights when the input is inserted CON(yellow): "CON" lights when the right PD connected, and the converter is in operating mode | | Power&PoE Status(The module operates normally when MID and END are on) | | | | | | |
| Base function | Compliance to IEEE 802.3 at/af Standard for PD | | | | | | | | | | | |
| Network medium | 10BASE-T: unshielded twisted pair category 3, 4 or 5 100BASE-TX: unshielded twisted pair category 5 and above 1000BASE-TX: unshielded twisted pair category 5 and above | | | | | | | | | | | |
| Protection characteristics | Overload protection | 110%~150%Io, hiccup mode(automatic recovery) | | | | | | | | | | |
| | Short circuit protection | Output can be long time shorted, no damaged. Hiccup mode(automatic recovery) | | | | | | | | | | |
| Environmental characteristics | Operating temperature | -20℃~60℃ | | | | | | | | | | |
| | Operating humidity | 5%RH~90%RH | | | | | | | | | | |
| | Vibration | 10~500Hz, 2G 10min./1 cycle, 60min. each along X,Y, Z axes | | | | | | | | | | |
| EMC&Safety | Safety | EN/UL 60950-1 | | | | | | | | | | |
| | Isolation voltage | Input to output:3kVac, input to ground: 1.5 kVac, output to ground: 0.5 kVac,1minute | | | | | | | | | | |
| | EMC | FCC Part 15, Class B | | | | | | | | | | |
| | CE/RE | EN 55022 Class B | | | | | | | | | | |
| | CS/RS | EN55024,VCCI | | | | | | | | | | |
| | Surge protection | Power input port meets EN 61000-4-5 criterion B : L-N 1 kV, L,N-PE 2 kV; Output communication port : 1kV differential mode (criterion B) | | Power input port meets EN 61000-4-5 criterion B:L-N 3KV L,N-PE 3KV; Output communication port meets EN 61000-4-5 criterion B: L-L:1KV, L-PE:1KV | | Power input port meets EN 61000-4-5 criterion B: L-N 1KV L,N-PE 2KV; Output communication port:1KV differential mode (criterion B) | | Power input port meets EN 61000-4-5 criterion B: L-N 2KV L,N-PE 4KV; Output communication port:1KV differential mode (criterion B) | | | | |

Order information

| MPN | Input voltage | Output voltage/Output current | Power |
|---------------------|---------------|-------------------------------|-------|
| LAS30-57CN-RJ45 | 90-264Vac | 56Vdc/0.536A | 30W |
| LAS45-57CN-RJ45-S3 | 85-286Vac | 56Vdc/0.8A | 45W |
| LAS60-57CN-RJ45 | 90-264Vac | 56Vdc/1.07A | 60W |
| LAS60-57CN-RJ45(EU) | 90-264Vac | 56Vdc/1.07A | 60W |
| LAS60-57CN-RJ45(UK) | 90-264Vac | 56Vdc/1.07A | 60W |
| LAS75-57CN-RJ45 | 90-264Vac | 55Vdc/1.3A | 75W |
| LAS90-57CN-RJ45 | 90-264Vac | 55Vdc/1.6A | 90W |

Note: All information contained in this datasheet is subject to change without notice, please visit our official website www.suplet.com for the latest information and refer to the user manual for more details.