

### Features

- Industrial Brick, metal case box Type package
- Output power is 300W, 500W
- Output voltage options: 12V, 24V, 28V, 48V
- Universal AC input, full range
- Built-in active PFC function
- High efficiency up to 92%
- 4242VDC and reinforce isolation
- Digital communication interface with PMBus
- Meet IEC 60950-1&IEC/UL/EN 62368-1
- Compliance with the EU RoHS directive 2011/65/EU and (EU)2015/863



### General Specifications

| Parameter           | Specifications                           |
|---------------------|--|
| Input voltage Range | 85-288VAC                                |
| Input Frequency     | 45-66Hz                                  |
| PF                  | >0.95                                    |
| Hold-up Time        | >20ms                                    |
| Protections         | IUVP, IOVP, OVP, OCP, OTP, Short Circuit |

| Parameter             | Specifications                                  |
|-----------------------|---|
| MTBF                  | >1,000,000 hrs as per Telcordia SR-332, Issue 4 |
| Operating Temperature | Refer to the order-information list             |
| Isolation Voltage     | I/P-O/P: 4242VDC                                |
| EMC                   | CE  |
|                       | RE  |
| Surge                 | IEC61000-4-5                                    |

### Order Information

| Model Number     | Input Voltage | Output Voltage/ Output Current | Output Power | Efficiency | Physical Dimensions (L x W x H) | Baseplate Temperature |
|------------------|---------------|--------------------------------|--------------|------------|---------------------------------|-----------------------|
| LAK300-220S12W   | 85-288VAC     | 12Vdc/25A                      | 300W         | 92%        | 110.8x50.8x13.7mm               | -40 C ~+100 C         |
| LAK500-220S12W   | 85-288VAC     | 12Vdc/42A                      | 500W         | 92%        | 110.8x50.8x13.7mm               | -40 C ~+100 C         |
| LAK500-220S12W-S | 85-288VAC     | 12Vdc/42A                      | 500W         | 92%        | 110.8x50.8x13.7mm               | -40 C ~+100 C         |
| LAK500-220S24W-S | 85-288VAC     | 24Vdc/20.83A                   | 500W         | 92%        | 110.8x50.8x13.7mm               | -40 C ~+100 C         |
| LAK500-220S28W-S | 85-288VAC     | 28Vdc/17.86A                   | 500W         | 92%        | 110.8x50.8x13.7mm               | -40 C ~+100 C         |
| LAK500-220S48W-S | 85-288VAC     | 48Vdc/10.42A                   | 500W         | 92%        | 110.8x50.8x13.7mm               | -40 C ~+100 C         |

Note: All information contained in this catalog is subject to change without notice, please visit our official website [www.suplet.com](http://www.suplet.com) or contact our sales for the latest information.