| | Input: 85-264VAC 47/63Hz Output Voltage: 12, 24 & 48 V D Rated Power: 75W max. | Conformal coat Parallel option | ted PCB available rranty | (suggest to use redundancy modules.) Built-in active PFC,PF>0.95 High efficiency up to 91% Built-in current sharing function Built-in current limiting circuit Output protections: OVP/OLP/SCP/OTP Wide operating ambient temp (-25°~70°) 150% peak load capacity Easy Fuse Tripping due to High Overload Current Excellent Partial Load Efficiency Built-in DC OK relay contact Can be installed on 35 mm DIN rail 100% full load burn-in test PCB with conformal coating Suitable for critical applications Ultra-slim,32mm width 3 years warranty |
|------------------------|--|--|---|--|
| CATALOG NUMBER | | PSC-7512 | PSC-7524 | PSC-7548 |
| INPUT | Voltage Range Frequency Range Power Factor (typical) AC Current (max.) Inrush Current (Typical) Leakage Current Efficiency (Typical) @230Vac | 85Vac~264Vac, 127Vdc-360Vdc 47Hz~63Hz 0.99/100Vac 0.95/230Vac <0.95 A/100Vac <0.45A/230Vac <30A/100Vac <60A/230Vac Cold Input—output: ≤0.25mA Input—PG: 88% | | 91% |
| OUTPUT | DC Output Rated Current Current Range Note 1 Ripple and Noise 0~70°C Note 2 -25°C~0 Voltage ADJ. Range Voltage ADJ. Range Voltage ACcuracy Line Regulation Load Regulation Set-up Time Hold up Time Temperature Coefficient ±0.03%/°C Overshoot | 12V 6.3A 0~6.3A ≤100mV ≤200mV 12~14V ±1.0% ±0.5% ±1.0% <250mS@230Vac ; <500mS@100Vac | 24V 3.2A 0~3.2A ≤120mV ≤240mV 24~28V | 48V 1.6A 0~1.6A ≤120mV ≤240mV 48~56V |
| ENVIRONMENTAL | Operating amb. Temp. & Hum. Storage Temp. & Hum. | -25°C~70°C; 20%~90%RH No conde -40°C~85°C; 5%~95%RH No conden | 0 | |
| PROTECTIONS | Over voltage Over Load Over temperature Short Circuit | PS stop working for 7S,after 7S,if the lo | t power limiting for som ad <=rated current, PS | 58~65V ne time(150% of rated current, last 3S) then S will work normally, auto recovery J/P, auto recovery after temperature goes down. |
| SAFETY & EMC Note 3 | Safety Standards Withstand Voltage Isolation Resistance EMC Emission Harmonic Current EMC Immunity | UL508, UL60950-1, EN62368-1 Primary-Secondary:3.0KVac/10mA .Prir 10M ohms Compliance to EN55032 Class B Compliance to EN61000-3-2, Class A Compliance to EN61000-4-2,3,4,5,6,11 | | A. Secondary-PG:0.5KVac/20mA. |
| OTHER | MTBF (MIL-HDBK-217F) Dimension (L*W*H) Packing Cooling method | More than 300,000Hrs (25°C, Full load) 124 x 119 x 32mm 28pcs/CTN,17.6Kg, 0.04cbm Cooling by free air convection | | |
| NOTES | 2. Measured at 20MHz of bandwidth by 3. The power supply is considered as a | ed are measured at rated input, rated load using a 12" twisted pair-wire terminated w component which will be installed into a fir ctives. For guidance on how to perform the | vith a 0.1 uF & 10uF pa nal equipment. The final ese EMC tests, please re | rallel capacitor. I equipment must be efer to "EMI testing of |

For the latest on Altech Power Supply specifications please visit www.altechcorp.com/power.

FEATURES

- Universal AC input range(85~264Vac)
- Support 1+1 or N+1 redundant system (suggest to use redundancy modules.)

Mechanical Specification

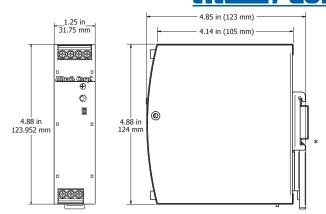
| Terminal No. | Function | Wire Spec | Recommended |
|--------------|----------|-----------|-------------|
| | | | Torque |
| 1 | L | | |
| 2 | N | 20~10AWG | 1Nm |
| 3 | PG | | |

2.DC terminal blocks installation information

| Terminal No. | Function | Wire Spec | Recommended |
|--------------|---------------------|-----------|-------------|
| | | | Torque |
| 4 & 5 | DC OK Relay Contact | | |
| 6 | -V | 20~10AWG | 1Nm |
| 7 | +V | | |

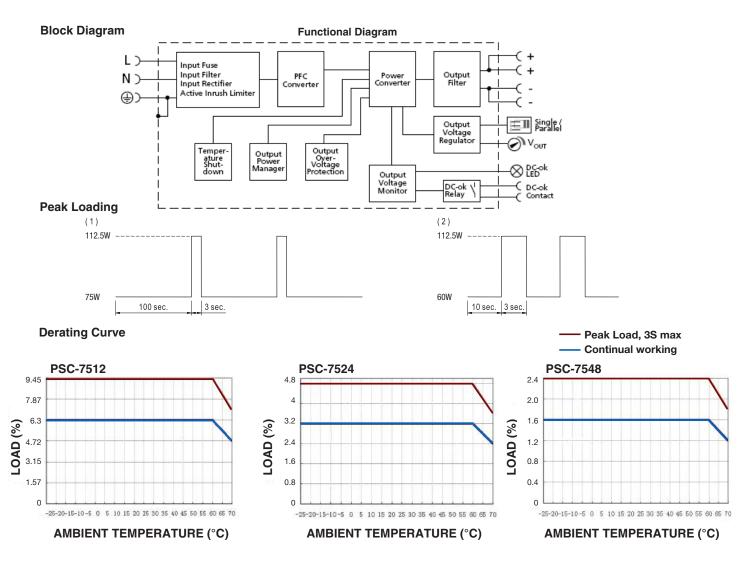
AC/DC Terminal

| Туре | Screw terminal blocks |
|------------------------------|-------------------------------------|
| Solid Wire | 0.5-6mm2 |
| Strand Wire | 0.5-4mm2 |
| Wire Spec | AWG20-10 (PG wire >18AWG) |
| Max Wire Diameter | 2.8mm |
| Recommended stripping length | 7mm |
| Screwdriver | 3.5mm Straight or Cross Screwdriver |
| Recommended Torque | 1NM |



* DIN Rail sold separately.

| Power boost | 150% of rated current |
|----------------------------|---------------------------------------|
| DC OK | V On: when output voltage is up to |
| | 90% of rated output voltage |
| | V Off: when output voltage is down to |
| | 80% of rated output voltage |
| DC OK relay contact rating | Max 30V/1A or 60V/0.3A or |
| | 30Vac/0.3A Resistive load |
| Parallel function | support |
| | |



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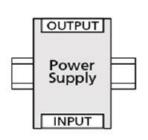


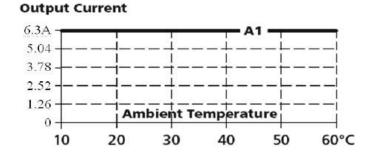
60°C

Mounting method instruction PSC-7512

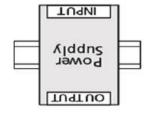
A1 is recommended output current.

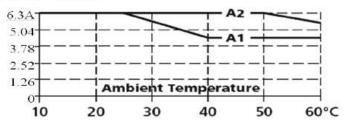
A2 is the allowed max output current (PSU lifetime is around half of A1).



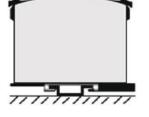


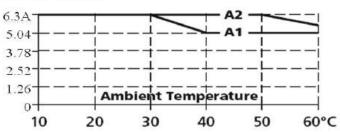
Output Current



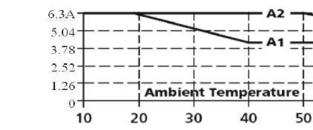


Output Current

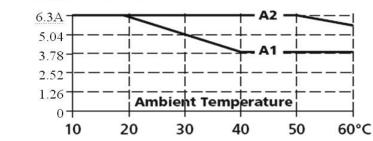


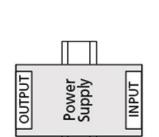


Output Current



Output Current





Supply

INPUT

Power

OUTPUT

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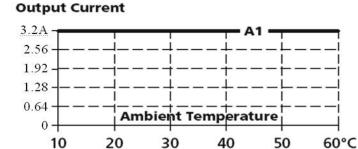
60°C

Mounting method instruction PSC-7524

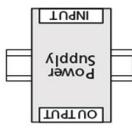
A1 is recommended output current.

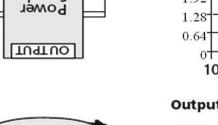
A2 is the allowed max output current (PSU lifetime is around half of A1).

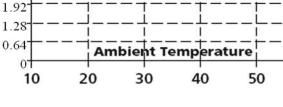
Mounting A



Mounting **B**







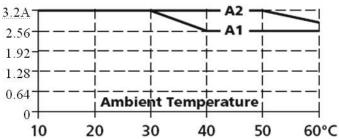
A2

A1

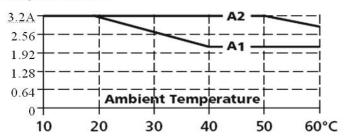
Output Current

Output Current

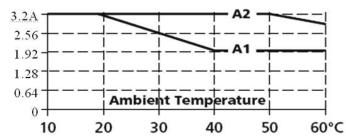
3.2A^{*} 2.56^{*}



Output Current



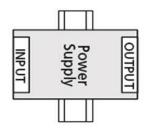
Output Current



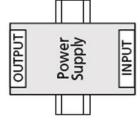


Mounting D

Mounting C



Mounting E



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Mounting method instruction PSC-7548

A1 is recommended output current.

A2 is the allowed max output current (PSU lifetime is around half of A1).

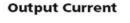
Mounting A

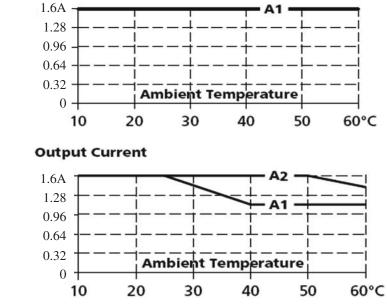
TU9NI

٨jddns

Power

TUATUO



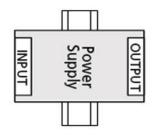




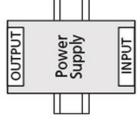
Mounting **B**



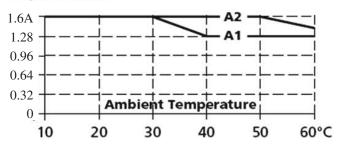
Mounting D



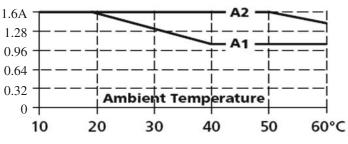




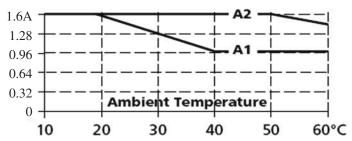
Output Current



Output Current



Output Current



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