

PWR-IPS550W



PWR-IPS550W | Power Converter

DYNICS IPS550 is a power supply converter, with a fan-less design equipped with an aluminum heatsink. This 550-watt power supply converts AC to DC with your choice of connectors (2 or 3) available as a 4-Pin or 5-Pin. Its rugged build and reliable design make it a suitable power converter for industrial applications.

- **Part Number for Different Pins:**
 - 3-Pin / 4-Pin or 5-Pin: **PWR-IPS550W-3 / 4 or 5**
- **4-Pin / 5-Pin Output Connectors with Overcurrent Circuit Protection**
- **2 / 3 Connectors**
- **LED Indicators**

SPECIFICATIONS

INPUT VOLTAGE RANGE	Full Range 100~240VAC (50-60hz) 6.25A
OUTPUT RATED VALUE	24VDC* + / - 2% 22.92A *Per pin, with Overcurrent Circuit Protection (OCP) <i>Use Reset button accordingly</i>
EFFICIENCY	92% Typical
MINIMUM LOAD	Input: 0A Load Output: No Loss Regulation
AMBIENT TEMPERATURE	Operating: -40° - 50°C (-40° - 122°F) Non-Operating: -40° - 60°C (-40° - 140°F)
RELATIVE HUMIDITY	Non-Condensing: 20% - 80%
OUTPUT RIPPLE AND NOISE	1%
TRANSIENT RESPONSE	Input: ±5% Vo Max Transient; Recovery < 500 µs Max Output: 50% Load Step @ 1 A / µs Step Load Verified at: 50% to 100% Load; 100~40VAC; Capacitive Load from 0 – 330 µF / AMP
OVERCURRENT PROTECTION (OCP)	Input: ≤ 150% Io Output: Auto-Recovery
OVERVOLTAGE PROTECTION (OVP)	Input: 110% to 135% Vo Output: Latching Mode; Requires Input AC Recycle
OVER TEMPERATURE PROTECTION (OTP)	Output: Auto Recover; Hiccup Mode
OUTPUT ISOLATION	4000VAC Input to Output 1500VAC Input to Ground 500VAC Output to Ground
SHOCK	Operating: 10G Non-Operating: 15G
VIBRATION	Operating: 1.0G from 57~2000Hz Non-Operating: 2.5G from 57~2000Hz
COMPLIANCE	EU: RoHS Directive 2011/65/EU
WARRANTY	24-Month limited warranty. Extended warranty available, contact DYNICS for more details.



PWR-IPS550W



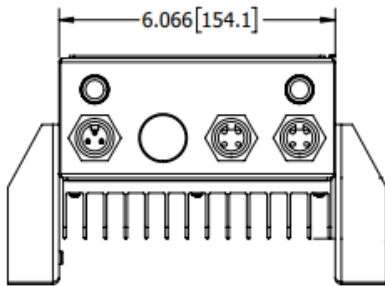
DIMENSIONS AND WEIGHT

HEIGHT	4.955" (125.9mm)
WIDTH	8.316" (211.2mm)
DEPTH	12.180" (309.4mm)
WEIGHT	7.7 lbs.*

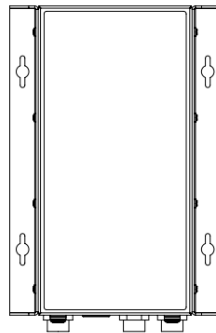
All measurements are in inches and pounds, unless noted. Pictures and drawings are not to scale. Estimated weight may change depending on options. DYNICS Reserves the right to change, modify, upgrade, or discontinue any part of this datasheet without any prior notice.

* Weights are approximate, contact DYNICS for details.

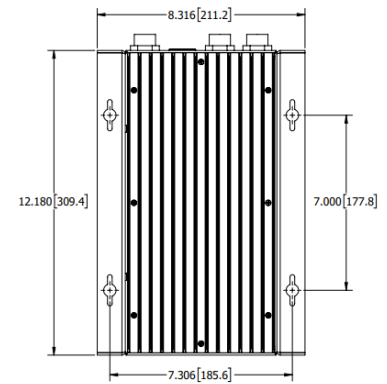
MECHANICAL DRAWINGS FRONT VIEW



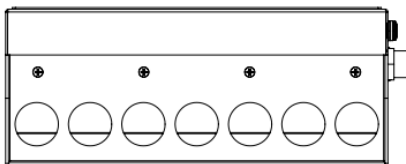
TOP VIEW



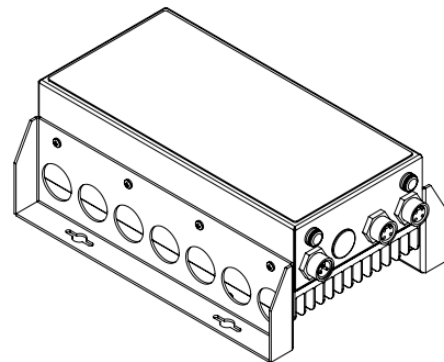
BOTTOM VIEW



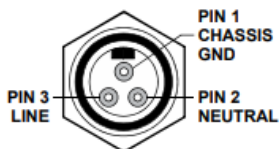
SIDE VIEW



ISO VIEW

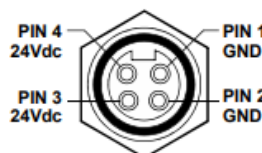


INPUT/OUTPUT PINOUTS 3-Pin INPUT

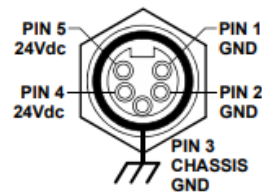


4-Pin OUTPUT

7/8" Connectors have 8A OCP



5-Pin OUTPUT



5-Pin OUTPUT L-CODE 10A OCP

