

SPECIFICATIONS

12VDC Output

| Model Number | Input Voltage Range | Output Voltage | Output Current (Cont.) | Output Current (Peak) | Current Limiting | Line Regulation | Load Regulation | Output Ripple (Max) | Efficiency (Typical) | Dimensions (inches) | | |
|---------------|---------------------|------------------------|------------------------|-----------------------|------------------|-----------------|-----------------|---------------------|----------------------|---------------------|----------------|------|
| | | | | | | | | | | L | W | H |
| ICT12012-10A* | 90-130 VAC | 13.8 VDC +/- 150 mV | 7.5 Amps | 10.0 Amps | 10.5 Amps | 0.20% | 0.75% | 20 mV RMS | 85% | 7.60 | See Tech Note* | 1.80 |
| ICT12012-12A* | 90-130 VAC | 13.8 VDC +/- 150 mV | 10.0 Amps | 12.0 Amps | 12.5 Amps | 0.20% | 0.80% | 20 mV RMS | 85% | 7.60 | See Tech Note* | 1.80 |
| ICT12012-15A* | 90-130 VAC | 13.8 VDC +/- 150 mV | 13.0 Amps | 15.0 Amps | 15.5 Amps | 0.20% | 0.80% | 20 mV RMS | 85% | 7.60 | See Tech Note* | 2.50 |
| ICT12012-20A* | 90-130 VAC | 13.8 VDC +/- 150 mV | 17.0 Amps | 20.0 Amps | 20.5 Amps | 0.20% | 0.85% | 20 mV RMS | 85% | 7.60 | See Tech Note* | 2.50 |
| ICT12012-30A* | 90-130 VAC | 13.8 VDC +/- 150 mV | 25.0 Amps | 30.0 Amps | 31.0 Amps | 0.20% | 0.85% | 20 mV RMS | 85% | 7.60 | See Tech Note* | 2.50 |

*A- Standard 7.1" Width

*AG- 6.4" Width

24VDC Output

| Model Number | Input Voltage Range | Output Voltage | Output Current (Cont.) | Output Current (Peak) | Current Limiting | Line Regulation | Load Regulation | Output Ripple (Max) | Efficiency (Typical) | Dimensions (inches) | | |
|--------------|---------------------|------------------------|------------------------|-----------------------|------------------|-----------------|-----------------|---------------------|----------------------|---------------------|------|------|
| | | | | | | | | | | L | W | H |
| ICT12024-5A | 90-130 VAC | 27.6 VDC +/- 150 mV | 4.0 Amps | 5.0 Amps | 5.5 Amps | 0.20% | 0.75% | 20 mV RMS | 85% | 7.60 | 7.10 | 1.80 |
| ICT12024-10A | 90-130 VAC | 27.6 VDC +/- 150 mV | 8.0 Amps | 10.0 Amps | 10.5 Amps | 0.20% | 0.75% | 20 mV RMS | 85% | 7.60 | 7.10 | 2.50 |
| ICT12024-15A | 90-130 VAC | 27.6 VDC +/- 150 mV | 13.0 Amps | 15.0 Amps | 15.5 Amps | 0.20% | 0.75% | 20 mV RMS | 85% | 7.60 | 7.10 | 2.50 |

48VDC Output

| Model Number | Input Voltage Range | Output Voltage | Output Current (Cont.) | Output Current (Peak) | Current Limiting | Line Regulation | Load Regulation | Output Ripple (Max) | Efficiency (Typical) | Dimensions (inches) | | |
|--------------|---------------------|------------------------|------------------------|-----------------------|------------------|-----------------|-----------------|---------------------|----------------------|---------------------|------|------|
| | | | | | | | | | | L | W | H |
| ICT12048-5A | 90-130 VAC | 48.0 VDC +/- 150 mV | 4.0 Amps | 5.0 Amps | 5.5 Amps | 0.50% | 1.00% | 40 mV RMS | 80% | 7.60 | 7.10 | 2.50 |

220 VAC Input

| Model Number | Input Voltage Range (a) | Output Voltage | Output Current (Cont.) | Output Current (Peak) | Current Limiting | Line Regulation | Load Regulation | Output Ripple (Max) | Efficiency (Typical) | Dimensions (mm) | | |
|---------------|-------------------------|------------------------|------------------------|-----------------------|------------------|-----------------|-----------------|---------------------|----------------------|-----------------|-----|----|
| | | | | | | | | | | L | W | H |
| ICT22012-10A | 180-250 VAC 50/60Hz | 13.8 VDC +/- 150 mV | 7.5 Amps | 10.0 Amps | 10.5 Amps | 0.20% | 0.75% | 25 mV RMS | 85% | 190 | 180 | 43 |
| ICT22012-12AG | 180-250 VAC 50/60Hz | 13.8 VDC +/- 150 mV | 10.0 Amps | 12.0 Amps | 12.5 Amps | 0.20% | 0.80% | 20 mV RMS | 85% | 190 | 163 | 43 |
| ICT22012-15A | 180-250 VAC 50/60Hz | 13.8 VDC +/- 150 mV | 13.0 Amps | 15.0 Amps | 15.5 Amps | 0.20% | 0.80% | 20 mV RMS | 85% | 190 | 180 | 61 |
| ICT22012-20A | 180-250 VAC 50/60Hz | 13.8 VDC +/- 150 mV | 17.0 Amps | 20.0 Amps | 20.5 Amps | 0.20% | 0.85% | 25 mV RMS | 85% | 190 | 180 | 61 |
| ICT22012-20AG | 180-250 VAC 50/60Hz | 13.8 VDC +/- 150 mV | 17.0 Amps | 20.0 Amps | 20.5 Amps | 0.20% | 0.85% | 25 mV RMS | 85% | 190 | 163 | 61 |
| ICT22012-30A | 180-250 VAC 50/60Hz | 13.8 VDC +/- 150 mV | 25.0 Amps | 30.0 Amps | 31.0 Amps | 0.20% | 0.85% | 25 mV RMS | 85% | 190 | 180 | 61 |
| ICT22012-30AG | 180-250 VAC 50/60Hz | 13.8 VDC +/- 150 mV | 25.0 Amps | 30.0 Amps | 31.0 Amps | 0.20% | 0.85% | 25 mV RMS | 85% | 190 | 163 | 61 |



ICT COMM SERIES INSTRUCTION MANUAL



ICT COMM SERIES

The ICT Comm Series switching power supplies deliver continuous trouble-free operation and incorporate extra filtering, providing a virtually noise-free environment for a wide range of communications equipment and 12V and 24V accessories.

These instructions should be read before using the product and it should be saved for future reference.

SETUP

- ▶ Plug the enclosed power cord into the input plug on the back of the unit. Plug the other end into the AC outlet.
- ▶ Connect equipment to terminal block at the rear of the unit.
Note: Keep the hook-up leads to the load as short as possible to avoid excess radiated noise.
- ▶ To turn on power supply, press top of front panel switch.

WARNING

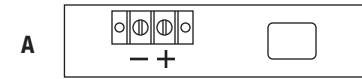
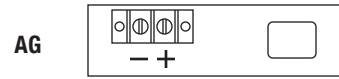
- ▶ Do not block side or bottom vent slots.
- ▶ Do not place unit on or near sources of heat/moisture.
- ▶ Incorrect wiring may result in serious damage to both power supply and equipment wired to power supply.
- ▶ Unit service should be done by ICT.

NOTES

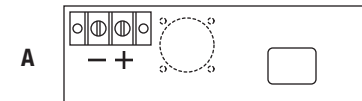
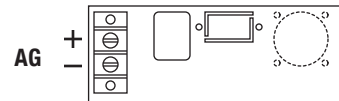
- ▶ The ICT Comm Series can be used in parallel or series configurations. Please contact ICT for further information.
- ▶ Most ICT Comm series products are available in two widths (A = 7.11", AG = 6.4") and can be assembled with a wide variety of ICT base station covers. 120 / 220 Volt or 220 Volt input models are available, as well as 12 and 24 V output models. Options available also include an LCD meter for current and voltage display, and a 19" rackmount configuration. Wallmount brackets are available for permanent installation. (part #ICT-WMB)
- ▶ The ICT Comm Series can also be used to charge a battery while powering an accessory without any modification. Please contact ICT for design note (DN-101 Battery backup).

CONNECTIONS

100 - 200 watts



200 - 500 watts



This device complies with Part 15 of the FCC Rules. Operation is subject to the following 2 conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including any interference that may cause undesired operation.

LIMITED WARRANTY

ICT Limited Warranty is only intended for the benefit of the original Purchaser of this product. This Warranty is not transferable or assignable without the prior written permission of ICT. ICT's sole obligation and liability under this warranty is limited to either repairing or replacing defective products at the sole discretion of ICT. When repairing or replacing the products, ICT may use products or parts that are new, equivalent to new or re-conditioned. Parts repaired or replaced during the warranty period will be under warranty for the remainder of the warranty period.

The warranty period on ICT products purchased new from ICT is two years. The warranty period for a repaired product or part thereof is ninety (90) days or the remainder of the unexpired term of the new product warranty period, whichever is greater. Repair or replacement of a defective product or part does not extend the original warranty coverage period.

No claim will be accepted unless written notice of the claim is received by ICT in accordance with ICT's Return Material Authorization (RMA) procedure, as soon as reasonably possible after the defect is discovered. A valid product serial number must be provided with the RMA claim to prove eligibility. The RMA form is available on the ICT website at www.ict-power.com/support/warranty-repair/.

The Purchaser shall at their own risk and cost return the defective product to ICT's factory or designated repair center once an RMA is issued by ICT. Return of the products to the customer after repair is completed shall be prepaid by ICT unless otherwise mutually agreed between the parties. Products shipped to ICT which have incurred freight damage will not be covered by this Warranty and any repairs or replacement parts, components or products needed will be invoiced in the full current price amount and returned freight collect to Purchaser. It is the Purchaser's responsibility to check the product upon receipt for any damage during shipping and to contact the carrier or shipper regarding such damage. Product that is returned as defective, which is determined to operate within published specifications will be returned to the Purchaser freight collect.

This Warranty will be void if the product has been subjected to misuse, neglect, accident, exposure to environmental conditions not conforming to the products' limits of operation, improper installation or maintenance, improper use of an electrical source, defects caused by sharp items or by impact pressure, a force majeure event, has been modified or repaired by anyone other than ICT or its authorized representative, has been subjected to unreasonable physical, thermal or electrical stress, improper maintenance, or causes external to the unit including but not limited to general environmental conditions such as rust, corrosive atmospheres, sustained temperatures outside the specified operating range of the equipment, exposure to power surges and/or electrical surges, improper grounding, mould or dust, animal or insect damage, water damage or immersion in liquid of any kind.

ICT does not control the installation and use of any ICT product. Accordingly, it is understood this does not constitute a warranty of performance or a warranty of fitness for a particular purpose.

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