



# COMM SERIES

## High Reliability Desktop Power Supplies



### Features

- ▶ **High reliability** switch-mode design
- ▶ **Extremely quiet** output with FCC Class B certification
- ▶ **Isolated outputs** are compatible with negative or positive ground equipment
- ▶ **Rugged terminal block** connectors allow trouble-free wiring connections
- ▶ **New 20A model with built-in battery backup** charging outputs
- ▶ **12 or 24 volt** DC output
- ▶ **2 year** warranty
- ▶ **Broad range** of radio covers available
- ▶ **Designed and manufactured** in North America

### Applications

- Land Mobile Radio communications networks
- Small 24 volt broadband sites
- Security and surveillance
- Low voltage lighting
- DC motorization
- Industrial DC power

### Description

The Next Generation Comm Series line of desktop DC power supplies from ICT builds on a legacy of high reliability, backed up by industry leading support and service. The new Comm Series provides a reduced number of models for easier selection, inventory management and deployment, as well as a 20 Amp model with integrated battery charging outputs.

### Ordering Information

Model Number	Nominal Input Voltage	DC Output Voltage	Maximum Output Current	Continuous Output Current
ICT12-12	115VAC	13.8VDC	12A	10A
ICT12-20	115VAC	13.8VDC	20A	17A
ICT12-30	115VAC	13.8VDC	30A	25A
ICT24-10	115VAC	27.6VDC	10A	7A
ICT24-15	115VAC	27.6VDC	15A	13A

### Power Supply With Integrated Battery Backup Charging Outputs

Model Number	Nominal Input Voltage	Nominal Output Voltage	Maximum Output Current	Battery Charge Current
ICT12-20B	115VAC	13.8VDC	20A	2.0A



POWER SPECIFICATIONS	ICT12-12	ICT12-20	ICT12-20B	ICT12-30	ICT24-10	ICT24-15
DC Output Voltage	13.8VDC	13.8VDC	13.8VDC	13.8VDC	27.6VDC	27.6VDC
Peak Current Rating	12A	20A	20A	30A	10A	15A
Continuous Current Rating	10A	17A	17A	25A	7A	13A
Battery Charge Current	-----	-----	2.0A	-----	-----	-----
Output Ripple	< 60mV p-p	< 50mV p-p	< 50mV p-p	< 50mV p-p	< 50mV p-p	< 50mV p-p
Line Regulation	0.20%	0.20%	0.20%	0.20%	0.20%	0.20%
Load Regulation	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%
AC Input Voltage	100-130VAC	100-130VAC	100-130VAC	100-130VAC	100-130VAC	100-130VAC
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Efficiency (typ.)	85%	86%	86%	86%	89%	89%

**MECHANICAL**

Dimensions (inches) L x W x H	8.0 x 7.1 x 2.2
Dimensions (mm) L x W x H	203 x 180 x 56
Weight (lbs)	2.7 lbs
Weight (kg)	1.23 kg
AC Input Connector	IEC 60320 with NEMA5-15P to C13 (detachable 6 ft. / 1.8 m cord included)
DC Output Connector	Terminal Block, M4.0

**PROTECTION**

Over Current	+5% of rated current
Over Voltage	+5% of rated voltage
Short Circuit, Overload	Constant current limit with current foldback, recovers when short / overload condition is removed

**ENVIRONMENT**

Operating Temperature Range	-20°C to +60°C (derate output load by 2% per degree C above 35°C to max. 60°C)
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**STANDARDS**

Safety	CSA/UL 60950
EMI	FCC Part 15, Class B
Other	ROHS

**OPTIONS**

ICT-RM2U	19 inch, 2RU rack mount shelf
Land Mobile Radio Covers	The new Comm Series family uses new radio covers from the previous generation. Refer to the Jan. 20, 2020 <b>ICT Radio Cover Guide</b> at <a href="http://www.ict-power.com">www.ict-power.com</a> for full selection



Rear View - Comm Series DC Power Supply



Rear View - Comm Series DC Power Supply with Battery Backup

