

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

TECHNICAL SPECIFICATIONS

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	-30°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 ICT Radio Cover Guide at www.ict-power.com for full selection



Rear View - Comm Series DC Power Supply



Rear View - Comm Series DC Power Supply with Battery Backup