

The Pro Series line of DC power supplies is a high performance, cost effective, high efficiency 1RU DC power supply designed for a variety of mission-critical applications. The core of the Pro Series is derived from the state-of-the-art ICT Digital Series power supply design that delivers high efficiency, power factor corrected AC input, space-saving 1RU chassis, FCC Class B low noise rating, and an optional battery backup terminal with integrated low voltage disconnect.

FEATURES

- 690 OR 1200 WATTS OF OUTPUT POWER
- 12, 24 OR 48 VOLTS DC FLOATING OUTPUT
- 100-265VAC INPUT WITH POWER FACTOR CORRECTION
- 90 TO 93% EFFICIENCY
- BATTERY BACKUP AND LOW VOLTAGE DISCONNECT OPTION AVAILABLE WITH SELECTABLE BATTERY CHARGE CURRENT
- FORM C ALARM CONTACTS
- REMOTE SHUTDOWN SIGNAL CONTACT
- FAST AND EASY TO INSTALL AND USE



ORDERING GUIDE

ICT690-12SB	690W, 12VDC Output w/factory-installed BBU Terminal, Automatic revert and integrated low voltage disconnect
ICT1190-12SB	1200W, 12VDC Output w/factory-installed BBU Terminal, Automatic revert and integrated low voltage disconnect
ICT690-24SB	690W, 24VDC Output w/factory-installed BBU Terminal, Automatic revert and integrated low voltage disconnect
ICT1190-24SB	1200W, 24VDC Output w/factory-installed BBU Terminal, Automatic revert and integrated low voltage disconnect
ICT690-48SB	690W, 48VDC Output w/factory-installed BBU Terminal, Automatic revert and integrated low voltage disconnect
ICT1190-48SB	1200W, 48VDC Output w/factory-installed BBU Terminal, Automatic revert and integrated low voltage disconnect

SPECIFICATIONS

Operating Temperature Range -30°C - +60°C
 Designed to UL/CSA 60950, FCC Class B, CE EMC Directive

Pro Series 1RU High Efficiency DC Power Supply

Standard DC Power Supply with High Performance and Reliability With Available Battery Backup and Low Voltage Disconnect for Cost Effective Base Station Power

FEATURES

690 OR 1200 WATTS OF OUTPUT POWER

12, 24 OR 48 VOLTS DC FLOATING OUTPUT

100-265VAC INPUT WITH POWER FACTOR CORRECTION

90 TO 93% EFFICIENCY

-30 C TO +60 C OPERATING TEMPERATURE RANGE

BATTERY BACKUP AND LOW VOLTAGE DISCONNECT OPTION AVAILABLE WITH SELECTABLE BATTERY CHARGE CURRENT.

FORM C ALARM CONTACTS

REMOTE SHUTDOWN SIGNAL CONTACT

DESIGNED TO MEET UL/CSA60950-1

MEETS FCC PART 15 CLASS B LIMITS

FAST AND EASY TO INSTALL AND USE



Description

The Pro Series line of DC power supplies is a high performance, cost effective, high efficiency 1RU DC power supply designed for a variety of mission-critical applications. The core of the Pro Series is derived from the state-of-the-art ICT Digital Series power supply design that delivers high efficiency, power factor corrected AC input, space-saving 1RU chassis, FCC Class B low noise rating, and an optional battery backup terminal with integrated low voltage disconnect.

ICT Pro Series DC power supplies are available in two power levels, providing 690 or 1200 watts of power with 12, 24 or 48VDC floating output for use with positive or negative grounds. They provide an ideal DC power solution for wireless communications professionals who demand cost effective, high efficiency space-saving DC power systems for LMR, broadband, and network communications equipment including radios, repeaters, trunking systems, paging systems, RF amplifiers, microwave, WiMax, routers, bridges, multiplexers, and VOIP. The Pro Series is also ideal for industrial power applications such as security systems, transportation, process control, and DC in-building power.

Application

- Wireless two-way communications networks
- Trunked radio systems
- Microwave
- Backhaul
- DAS
- Security and surveillance
- Industrial DC power

Pro Series 1RU High Efficiency DC Power Supply

Power Specifications

Continuous Output Current - 12V	87A, 50A
Continuous Output Current - 24V	44A, 25A
Continuous Output Current - 48V	22A, 12.5A
Efficiency (typical) - 12V	90% @ 240VAC
Efficiency (typical) - 24V	91% @ 240VAC
Efficiency (typical) - 48V	93% @ 240VAC
Output Voltage - 12V	13.8VDC
Output Voltage - 24V	27.6VDC
Output Voltage - 48	55.2VDC
(Output voltage factory adjustable by specifying at time of order)	
Input Voltage Range	100-265VAC
Frequency Range	50/60Hz
Power Factor (typical)	0.99
Output Ripple - 12V	30mV RMS
Output Ripple - 24V	30mV RMS
Output Ripple - 48V	40mV RMS
Line Regulation	+/- 0.1%
Load Regulation	+/- 0.5%
Output Grounding	Positive, negative or floating

Environment

Operating Temperature Range	-30 C to +60 C (derate 2%/ C >50 C)
Variable Speed Temperature Controlled Fans	

Standards

Designed to UL/CSA 60950, FCC Class B, CE EMC Directive

Ordering Information

	Power	12VDC Output	24VDC Output	48VDC Output
Pro Series Power Supply	690W 1200W	ICT690-12S ICT1190-12S	ICT690-24S ICT1190-24S	ICT690-48S ICT1190-48S
Power supply with factory-installed battery backup terminal, automatic revert and integrated low voltage disconnect.	690W 1200W	ICT690-12SB ICT1190-12SB	ICT690-24SB ICT1190-24SB	ICT690-48SB ICT1190-48SB

Mechanical

Form Factor	1RU - 19 inch Rack Mount
Dimensions (L x W x H)	6.4 x 19.0 x 1.72 inches 163 x 483 x 44 mm
Weight	7.4 lbs / 3.36 kg
AC Input Connectors	IEC C14 Connector
DC Output Connectors	Busbars with 5/16" mounting holes
Remote Alarm Connectors	Terminal Block (#22 to #26 AWG)

Protection Features

Over-Temperature, DC Over-Current, AC Input Voltage, DC Output Voltage, System Fault

Remote Communications

Form C Alarm Contacts - Normally Open, Normally Closed, Common
Remote Shutdown - 2.5 to 16 Volt Signal

Warranty

Two Years

Options

Battery Backup	Factory-installed third terminal output for float charging batteries. Provides automatic revert function. Includes low voltage disconnect with factory default disconnect and reconnect voltage setpoints:			
		12V	24V	48V
	LVD Disconnect Voltage	11.5V	23.0V	50.0V
	LVD Reconnect Voltage	12.5V	25.0V	50.0V
	Adjustable battery charge current using rear mounted DIP switches:			
	25% / 50% / 75% / 100% (factory default)			