



INTELLIGENT DIN POWER DISTRIBUTION UNIT

Six Fuse-Protected Outputs With Ethernet Monitoring & Control

Features

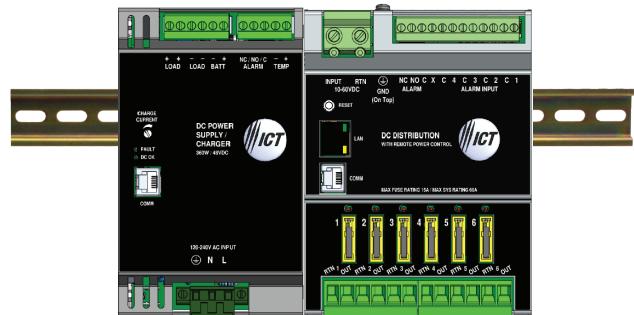
- ▶ **Six DC load outputs** each rated at 15 A max.
- ▶ Each output is **GMT fuse-protected**
- ▶ **Output voltage range** of 10-60 VDC
- ▶ **60 A system current rating**
- ▶ **-20°C to +60°C** operating temperature range
- ▶ **TCP/IP Ethernet** is standard and provides complete and easy-to-use remote monitoring and control of the connected loads using secure web server and graphical user interface or SNMP
- ▶ **Supports HTTPS, SMTP, TLS1.3 and SNMPv3** protocols
- ▶ **User log-off function** for added security
- ▶ **Network Watchdog feature**
- ▶ **Automatic load shedding**
- ▶ **Remote Alarm Report** for each load output including fuse trip, voltage and current deviations
- ▶ **Four alarm inputs** for site monitoring sensors
- ▶ **30 day data logging**
- ▶ **Form C contacts**
- ▶ **Serial port** for connecting to ICT DIN Series 360 W or 480 W power supply, allowing remote monitoring and reporting



Description

The ICT Intelligent DIN Power Distribution Unit is designed to provide DC power distribution to six individual outputs each rated at 15 A max. The integrated Ethernet controller provides reporting of current and status for each individual load, as well as the ability to power cycle each output.

Combined with the ICT DIN 360-watt or 480-watt power supply, remote monitoring and control of battery current and voltage, low voltage disconnect setpoints, and battery charge current settings are available through the ethernet controller and user interface.



Remote Monitoring & Control

The ICT DIN Series is designed, manufactured and supported in North America to meet the need for wireless communications, broadband and other demanding DC power applications.

Applications

- Fixed Wireless Access networks
- Internet of Things (IoT)
- SCADA
- Security and surveillance
- Industrial DC power

Power Specifications

Operating Voltage Range (POS or NEG)	10-60 VDC
System Current Rating	60 A cont
Number of Outputs	6
Max. GMT Fuse Size	15 A
Continuous Load Rating	12 A per output

Mechanical

Form Factor	TS35 (EN50022) standard DIN rail mount
Dimensions L x W x H	4.4 x 5.3 x 5.7 in 111 x 134 x 144 mm
Weight (lbs/kg)	2.7 lbs / 1.22 kg

Design Standards

RoHS, FCC Class B, and CE (certified)
Designed to meet CSA 60950 (not certified)

Warranty

Two years

Environment

Operating Temperature Range	-20°C to +60°C
Cooling	Convection

Communications and Control

Ethernet	TCP/IP built-in web server and graphical user interface, 10/100BASE-T, IEEE 802.3 compatible
Supported Protocols	IPv4, IPv6, VLAN, HTTP, HTTPS, SMTP, DNS, TCP, UDP, ICMP, DHCP, ARP, SNMPv1/v2c/v3
SNMP Ports	UDP Port 161, SNMP Traps: UDP Port 162
Firmware Upgrades	Upgradeable over Ethernet
Security	Password protection, HTTPS encryption, TLS 1.3
Load Output Monitoring	Current draw measured and reported for each output, user definable under and over current alarms
Email and SMS Alerts	Multiple email or text accounts, adjustable intervals
Data Logging	Up to 30 days at 1 minute sampling rate, csv file download, major event logging
Network Watchdog	Autonomously ping up to six IP addresses and power-cycle, enable, or disable output if no response
Power Cycling and Rebooting	Remote on/off control of every output individually
Auto Restore Mode	Return to previous output settings after a power loss
Power-up Delay Sequencing	User selectable 0 to 60 second delay between outputs
Auto Load Shedding	Each output user definable, manual or auto restart

Configurable Alarms

► Channel over current threshold	► Automatic load shedding
► Channel over/under current	► Bus over/under voltage threshold
► Bus over current	► Site monitoring input contact status

Site Monitoring Inputs

Voltage-free digital inputs	4
Connector type	Removable cage clamp #16-#28 AWG

Ordering Information

Model Number	Description
ICT-DIN-PDU6	DIN rail mount six-output GMT-protected DC load distribution panel (fuses not included).
ICT480-48DIN	DIN rail mount 480-watt, 48-volt DC power supply with integrated low voltage disconnect. Functions standalone or with remote monitoring over Ethernet when used with ICT-DIN-PDU6 Intelligent power distribution unit.
ICT480-24DIN	DIN rail mount 480-watt, 24-volt DC power supply with integrated low voltage disconnect. Functions standalone or with remote monitoring over Ethernet when used with ICT-DIN-PDU6 Intelligent power distribution unit.
ICT360-48DIN	DIN rail mount 360-watt, 48-volt DC power supply with integrated low voltage disconnect. Functions standalone or with remote monitoring over Ethernet when used with ICT-DIN-PDU6 Intelligent power distribution unit.
ICT360-24DIN	DIN rail mount 360-watt, 24-volt DC power supply with integrated low voltage disconnect. Functions standalone or with remote monitoring over Ethernet when used with ICT-DIN-PDU6 Intelligent power distribution unit.
ICT-GMT5 ⁽¹⁾	5 Amp GMT Fuse
ICT-GMT10 ⁽¹⁾	10 Amp GMT Fuse
ICT-GMT15 ⁽¹⁾	15 Amp GMT Fuse

(1) GMT fuses are orderable separately from ICT

