



700 Watt Hot Swappable DC Power Modules

For ICT Modular Power Series, MPS Ultra, Hybrid Power Series and Hybrid Ultra DC Power Systems



Description

ICT 700-watt hot-swappable DC power modules are designed to provide high performance, reliability, and redundancy for ICT 24 and 12 volt DC power systems. The high efficiency modules are compatible with the ICT Modular Power Series, MPS Ultra, Hybrid Power Series and Hybrid Ultra which offer remote Ethernet-based communications for monitoring and control; enhanced security and reliability features including SNMPv1/v2c/v3 and TLS 1.3; fan fail detect alarms; and advanced battery management features for sealed lead acid and lithium ion batteries.

Power Module Features

- ▶ 700 watt modules (24 & 12VDC output)
- ▶ Hot swappable
- ▶ 91% maximum efficiency
- ▶ -30 C to +60 C operating temperature range
- ▶ CSA, FCC, CE, RoHS

Applications

- ▶ Fixed Wireless Access
- ▶ Land Mobile Radio
- ▶ FTTP/H PON GPON
- ▶ Distributed antenna systems (DAS)
- ▶ Traffic Management
- ▶ Industrial DC power



ICT MODULAR POWER SERIES2 & HYBRID POWER SERIES

- 1RU, 19 inch rack mount system
- Up to 2.8KW maximum output power with 700W Power Modules
- Ethernet monitoring and control with Intelligent Control Module
- Optional fully-managed load distribution module (up to 8 outputs)
- Optional battery management module with 150A low voltage disconnect with single or dual 100A battery disconnects
- Hybrid Power Series integrated DC converter provides 700 watts of 12 or 24 volts DC output



ICT MPS ULTRA 2 & HYBRID ULTRA

- 2RU, 19 inch rack mount system
- Up to 5.6KW maximum output power with 700W Power Modules
- Ethernet monitoring and control with Intelligent Control Module
- Optional fully-managed load distribution module (up to 12 outputs)
- Optional battery management module with 150A LVD with dual 100A battery disconnects
- Hybrid Ultra integrated DC converter provides 700 watts of 12 or 24 volts DC output

ELECTRICAL SPECIFICATIONS - POWER MODULES

	ICT700-24PM	ICT700-12PM
AC input voltage (nominal)	120/240VAC	
Input voltage range	100-300VAC	
230 VAC input current (per module) @115 VAC nom.	6.7A max.	
Power factor (typical)	0.99	
Frequency	50/60Hz	
Output voltage (nom.)	+/- 27.6 VDC	+/- 13.8 VDC
Output voltage range (adjustable)	23.0 -31.0 VDC	11.5 - 15.5 VDC
Power output per module	700W	700W
Output current per module @ nom. DC O/P	25A	50A
Efficiency (typical)	91%	90%
Output ripple (rms)	< 60mV	< 60mV

Environmental

Operating temperature range	-30° to +60° C
Output derating	2% /°C (above 50°C)
Storage temperature	-45° to +85° C

Mechanical

Dimensions (H x W x L)	1.7 x 3.7 x 11.4 in. 45 x 93 x 290mm
Weight (lbs/kg)	2.3 lbs / 1.04 kg

Design Standards

Safety	EN 62368-1, UL/CSA 62368-1
Emissions	CE Class A, ICES-003, EN55032, EN 61000-3-2 and EN 61000-3-3
Environmental	RoHS

Protection Features

Over-temperature, over-current shutdown, input and output over-voltage, current limiting, Oring mosfet, fan fail detect with remote alarm

Warranty

Two (2) Years

