



POWER SUPPLY

- 3AC 380-480V Wide-range Input
- 2 or 3-Phase Operation Possible
- Width only 62mm
- Efficiency up to 92.9%
- Excellent Partial Load Efficiency
- 20% Output Power Reserves
- Easy fuse tripping Due to High Overload Current
- Input -Transient Blanking Circuit Included
- Minimal Inrush Current Surge
- Three Input Fuses Included
- Current Sharing Feature for Parallel Use
- Full Power Between -25°C and +60°C
- 3 Year Warranty

GENERAL DESCRIPTION

The Dimension C-Series are cost optimized power supplies without compromising quality, reliability and performance. The C-Series is part of the DIMENSION power supply family. The most outstanding features of CT10.481 are the high efficiency, electronic inrush current limitation, active input transient filter and wide operational temperature range.

The C-Series includes all the essential basic functions. The devices have a power reserve of 20% included, which may even be used continuously at temperatures up to +45°C. Additionally, the CT10.481 can deliver 3 times the nominal output current for 10ms which helps to trip fuses on faulty output branches.

SHORT-FORM DATA

Output voltage	DC 48V	
Adjustment range	48-56V	
Output current	5 – 4.3A	ambient <60°C
	6 – 5.2A	ambient <45°C
Output power	240W	ambient <60°C
	288W	ambient <45°C
Output ripple	< 100mVpp	20Hz to 20MHz
Input voltage	AC 380-480V	-15%/+20%
Mains frequency	50-60Hz	±6%
AC Input current	0.7 / 0.6A	at 3x400 / 480Vac
Power factor	0.53 / 0.52	at 3x400 / 480Vac
AC Inrush current	typ. 4A peak	
Efficiency	92.8 / 92.9%	at 3x400 / 480Vac
Losses	18.6 / 18.3W	at 3x400 / 480Vac
Temperature range	-25°C to +70°C	operational
Derating	6W/°C	+60 to +70°C
Hold-up time	typ. 34 / 54ms	at 3x400 / 480Vac
Dimensions	62x124x117mm	WxHxD

ORDER NUMBERS

Power Supply	CT10.481	48-56V Standard unit
Accessory	ZM1.WALL	Wall mount bracket
	ZM13.SIDE	Side mount bracket
	YRM2.DIODE	Decoupling module
	UF20.481	Buffer unit

MARKINGS



Marine, pending



EMC, LVD