

ETP48100-B1-50A 1U, 48V, 1x50a modular AC/DC converter.

Power supply OLT power converter

ETP48100 Overview

ETP48100-B1-50A is a carrier-class AC/DC power converter, convert 220V/110V AC power to -48V DC power, MAX output 50A. ETP48100-B1-50A have 2 output, each MAX output 25A; If equipped with two R850G2, total output can be 100A.

ETP48100 Power supply typically to MA5683T, MA5680T, MA5800-X7, X15, X17
C300 C320 OLT

ETP48100-B1 subrack composed by 1xPMU(11A), 1xPSU(R4850G2);

ETP48100-B1 comes with pre- connected Europe power cable, max output 50A.

Maximum output power: 3000 W (176–290 V AC); 1250 W (85–175 V AC decreased linearly)

2 Power output port on ETP48100-B1 subrack, each provide 25A MAX

1 R4850G2 module condition, total MAX output is 50A

2 R4850G2 module condition, total MAX output is 100A

Easy output power cable connection

Without battery port

ETP48100-B1-50A Datasheet

Item	ETP48100-B1-50A
Input voltage	220 V AC single-phase voltage range: 176 V AC to 290 V AC
Input voltage frequency	45 Hz to 65 Hz
Output voltage	Voltage range: 48V-58V DC
Output current	30 A for the 220 V AC single-phase input power



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Maximum output power (W)	3000 W (176–290 V AC); 1250 W (85–175 V AC decreased linearly)
Surge protection capability	2 kV in differential mode / 4 kV in common mode

Input	
Voltage	85 - 300 V AC
Frequency	45 - 65 Hz
Nominal input current	< 17 A
Power factor	> 0,99
THD	< 5%
Output	
Voltage	42 - 58 V DC
	Default value: 53.5 V DC
Maximum power	2400 W at 48 V
	(up to 2900 W at 58 V)
Environmental features	
Permissible operating temperature	From -40 to 75 °C
Permissible storage temperature	From -40 to 75 °C
Permissible air humidity	5%-95% non-condensing
Protection (rectifier)	
Overvoltage (input)	> 300 V AC
Undervoltage (input)	< 80 V AC
Overvoltage (output)	58.5 - 60.5 V DC (to be set in PMU)
Short circuit proof (output)	Yes
Against too high a temperature	> 75 °C
Certificates (charger)	
Security	TUV, CE, UL
	CB
	UL60950-1
	IEC60950-1
	EN60950-1
CAN/CSA C22.2 No. 60950-1	



EMC	EN55022 class B
	EN55024
	EN61000-3-2
	EN61000-3-3
	ETSI EN300 386
	ETSI EN301489
	ITU-T K.20
Protection against discharges	YD 5098-2005 5KA



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