

POWER-FLOW - AC/DC CURRENT GENERATOR

3-phase input [T] - DC output



Part Number	PF-DC-10-T-T-V05-A2000
Power	10 kW
Transformer	Isolation transformer
Full Load Efficiency	> 93%
Input Connection	Standard Terminal blocks
Output Connection	Custom terminal blocks
VOLTAGE	
Input Range [PH-PH]	350 – 440 Vac
Output [DC]	1 - 5Vdc
Regulation System [PH-PN]	Adjustable within the output voltage range
Sensing Function	Yes driven in current. MCB104 board with current sensors.
Total Harmonic Distortion [THD]	< 0,5%
Static Line Regulation	< 1%
Static Load Regulation	< 1%
Dynamic stability of the output voltage upon load variation	< 0.2% with 100ms stabilization time in thermic curve
CURRENT	
Output and Regulation	single range from 50A to 2000A
FREQUENCY	
Input Range	47Hz - 63Hz
Output [switchable from control panel and remote]	-
Output [adjustable from control panel and remote]	-
OTHERS	
Noise level	60dBA
Power Protections	OVP, UVP, OCP, OTP
CONTROL PANEL	
Commands	LCD display 4 x 40 characters + command buttons
Voltage and current LCD Display accuracy	± 2 DIGIT
Voltage LCD Display resolution	± 0.5Vac
Current LCD Display resolution	± 1A
Frequency value visualization	-
Output Current Value Visualization	Yes
COMMUNICATION INTERFACES	
Analog	MCB owned I/O 12 poles equipped with 0-10Vdc
RS232	Yes
Ethernet	Yes
Communication Protocols	0-10Vdc over analog I/O 12 poles & SCPI over RS232 and Ethernet
Reference Voltage of remote controls	Common ground with ground line
MECHANICAL	
Dimensions (W x H x D)	550 x 1100 x 800 mm
Weight	200kg
ENVIRONMENTAL	
Cooling	Air Forced Circulation
Operating Temperature	from 0° to +40°C
Storage Temperature	from -40° to +85°C
REGULATORY	
Safety	EN 61000-6-2 (2005) + AC (2005), EN 61000-6-4 (2007)+A1(2011), EN 61010-1 (2010) + A1/AC (2019)
EMC	2014/35/UE (LVD), 2014/30/UE(EMC)