

POWER-FLOW - AC/AC CURRENT GENERATOR 3-phase input 3-phase output [TT]



Part Number	PF-50-TT-T-V08-A3200
Power	50 kVA
Transformer	Isolation transformers
Full Load Efficiency	> 93%
Input Connection	Standard terminal blocks
Output Connection	Custom sized copper bars in the rear of the unit
VOLTAGE	
Input Range [PH-PH]	350 – 440 Vac
Output [PH-PH]	from 1 Vac to 8Vac
Regulation System [PH-PH]	Adjustable within the output voltage range
Sensing Function	Yes driven in current. MCB036 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 35ms stabilization time with magnetic curve
CURRENT	
Output and Regulation	single range from 300A to 6300A
FREQUENCY	
Input Range	47Hz - 63Hz
Output [switchable from control panel and remote]	50Hz and 60 Hz [± 0,01%]
Output [adjustable from control panel and remote]	from 40Hz to 200Hz without power derating [± 1%]
OTHERS	
Noise level	70dBA
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	Yes
Output Current Value Visualization	Yes, all the output 3-phases current values from local control panel and RS232/Ethernet
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)	800mm x 2200mm x 800mm
Weight	550kg
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)