

## POWER-FLOW - AC/DC CURRENT GENERATOR

### 3-phase input [T] - DC output



Part Number	PF-DC-90-T-V06-A15000
Power	90 kW
Transformer	Isolation transformers
Full Load Efficiency	> 85%
Input Connection	Standard terminal blocks
Output Connection	Custom sized copper bars in the rear of the unit
<b>VOLTAGE</b>	
Input Range [PH-PH]	350 – 440 Vac
Output [DC]	from 1 Vdc to 6Vdc
Regulation System [PH-PH]	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	< 5% with 100ms stabilization time with thermic curve
<b>CURRENT</b>	
Output and Regulation	single range from 1000A to 15000A
<b>FREQUENCY</b>	
Input Range	47Hz - 63Hz
Output [switchable from control panel and remote]	DC output
Output [adjustable from control panel and remote]	DC output
<b>OTHERS</b>	
Noise level	80dBA
Power Protections	OVP, UVP, OCP, OTP
<b>CONTROL PANEL</b>	
Commands	LCD display 4 x 40 characters + command buttons
Voltage and current LCD Display accuracy	± 2 DIGIT
Voltage LCD Display resolution	± 0.5Vdc
Current LCD Display resolution	± 1A
Frequency value visualization	-
Output Current Value Visualization	Yes
<b>COMMUNICATION INTERFACES</b>	
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
<b>MECHANICAL</b>	
Dimensions (W x H x D)	1pcs cabinet converter 1200mm x 2200mm x 800mm 1pcs cabinet rectifier 1000mm x 2200mm x 800mm
Weight	cabinet rectifier 440 kg cabinet converter 580 kg
<b>ENVIRONMENTAL</b>	
Cooling	Air Forced Circulation
Operating Temperature	from 0° to +40°C
Storage Temperature	from -40° to +85°C
<b>REGULATORY</b>	
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)