

POWER-BOOST SS [1-phase]

AC/AC Power Source

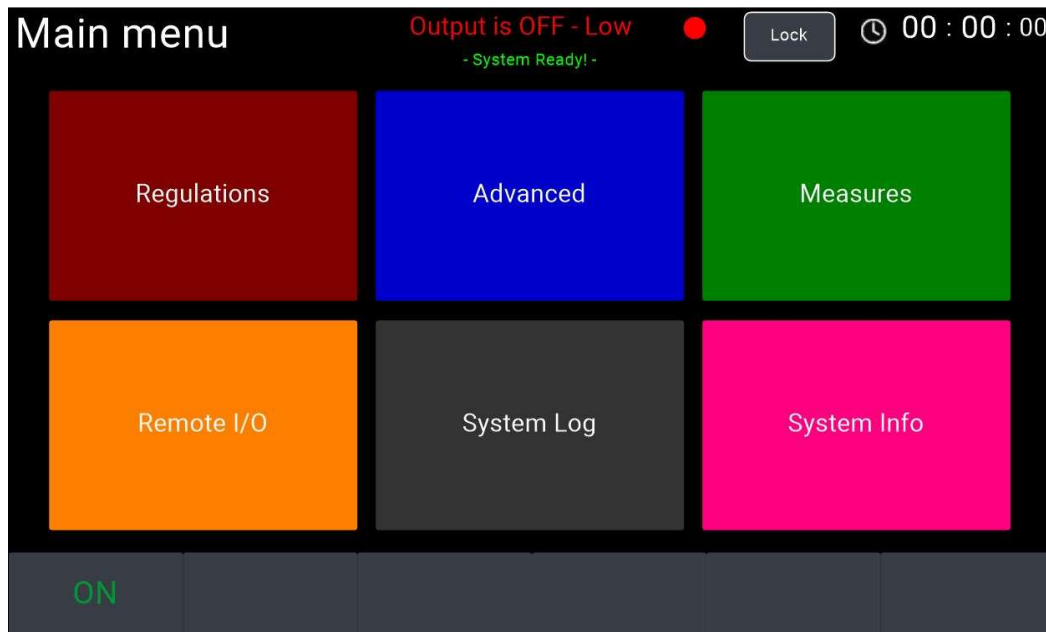


OVERVIEW POWER-BOOST *

AC Input	1-phase
AC Output	1-phase
Power Range	1.5kVA - 3kVA - 5kVA - 7.5kVA
Auto transformer	Standard
Isolation Transformer	Optional
Mechanical	autotransformer 1 x Rack 19" 3U D500 isolation transformer 2 x Rack 19" 3U D500
Voltage Ranges in Output	[LOW] 2-150Vac / [HIGH] 4-300Vac
Current Regulations [3 working modes]	A - power-off at reaching of set I_{max}
	B - voltage reduction at reaching of set I_{max}
	C - set of the I_{out} with automatic set of the V_{max}
Frequency	Regulation 40 - 80Hz [$\pm 0.01\%$]
Additional Frequency	400Hz [$\pm 0.01\%$]
Sensing Function	Standard
Local Control	LCD Touch Screen 7"
Remote Controls	RS232
	Ethernet
	MCB analogue interface I/O 12 poles [including 0-10 Vdc]
Communication Protocols / Drivers	SCPI [RS232 and Ethernet] / LabVIEW Drivers

* Power-Boost comes in three different packages: BASIC, DELUXE and PREMIUM. The specifications outlined above refer to the top package PREMIUM equipped with 7" touchscreen display.

CONTROL PANEL 7" TOUCHSCREEN



REGULATIONS:

1. Double Range Voltage Regulation (2 - 150Vrms & 4 - 300Vrms) – steps 0.5Vrms
2. Double Range Current Regulation (2 - 150Vrms has got twice current as much the range 4 – 300Vrms)
3. Frequency Regulation within the range 40-80Hz (steps 0.1Hz) plus 400Hz

ADVANCED:

1. Display regulations (brightness, colours, touch function calibration etc ...)
2. Time and Language Setup
3. Activation code

MEASURES [accuracy $\pm 1\%$]:

1. Voltage, Current and Frequency on the output
2. Analysis of the output power (reactive, apparent and real power)
3. Measurement of Voltage and Current for Maximum, Minimum, Average, RMS, Peak-to-Peak and Crest values

REMOTE I/O:

1. Enabling the local (touchscreen panel) or remote function (only one mode at the time)
2. Remote controls: Ethernet (SCPI), RS232 (SCPI) or Analog (standard MCB I/O 12 poles with 0-10Vdc)

EXTRA FEATURES

1. Programmable ON/OFF time
2. Programmable Voltage ramps within a settable time frame

OVERVIEW TECHNICAL OFFERING

	AC / AC Power Source	Current Generators [AC / AC & AC / DC]		AC / DC Power Source
Product Name	Power-Boost	Power-Flow AC	Power-Flow DC	Power-Spin
Power Range	1.5kVA - 150kVA	1kVA - 150kVA	1kW - 90kW	1kW - 200kW
AC Input	1-phase, 2-phase, 3-phase			
AC Output	1-phase, 2-phase, 3-phase	1-phase 3-phase	-	-
Output Voltage Range	2-150Vac & 4-300Vac [PH-N]	down to 5Vac	down to 5Vdc	1 - 400Vdc
Output Frequency Range	from 40 to 80Hz and 400Hz	custom value	-	-
Output Current Range	from 1 x 5A [1.5kVA @300Vac] to 3 x 333,3A [150kVA @150Vac]	up to 40kA		1 - 500 A
Current Regulation	Full Regulation within the output current range			
Local Control Interface	A) LCD display 4 x 40 characters and command buttons B) LCD 7" touchscreen			A) LCD display 4 x 40 characters and command buttons
Remote Controls	A) Analog I/O 12 poles with 0-10Vdc control B) Ethernet and RS232 equipped with SCPI protocol			B) Ethernet and RS232 equipped with SCPI protocol
Drivers	LabView Drivers			Optional LabView Drivers