

INTEPRO SYSTEMS

THE POWER TEST EXPERTS

VEGA SERIES
15kW TO 480kW

**CUSTOMIZABLE
POWER RACKS**



www.Inteprosystems.com

Overview

The Vega Series is Intepro’s new line of customizable High Power Racks. Comprised of 15kW 3U Regenerative loads or DC power supplies, you can mix and match depending on your testing needs. Up to 900kW of power can be loaded or supplied at efficiencies well over 90%. When incorporating our regenerative DC loads, energy savings are doubled via reduced generated heat and recouped energy. These racks are ideal for battery testing (charge & discharge), burn-in, research & development and EOL/Production tests across a wide array of industries including: Aerospace, Automotive, Medical Device, Energy Storage and Military/Defense.

We can also mate any Vega Series rack to a Power Distribution Unit, allowing you to easily connect DUT’s without having to second guess your wiring. Use one of Intepro’s PDU or request one built off to your exacting requirements. Complete the customization with a variety of standard custom connections and interfaces to make your life easier. There is no need to adapt your product to what the manufacturer provides, we adapt to what you require!

Featured Benefits

- Configurable to adapt for your unique requiremntns
- >90% efficient in both the supply and energy recovery
- 21U, 30U, 35U, and 42U chassis sizes
- Up to 180kW in a single rack using 15kW power modules; 900 kW total in 5 bays
- Voltage up to 1500 VDC
- Currents up to 27000 amps
- Multilingual TFT touch panel
- Integrated Function Generator

Power

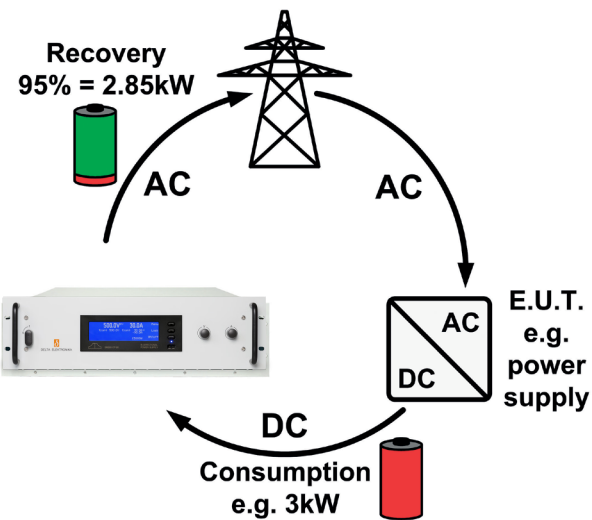
All models feature a flexible Auto-Ranging output stage which provides higher output current at reduced voltages so the source maintains maximum output power across a wide range of voltage operation.

Intepro racks with autoranging deliver the full power across the entire voltage range. Our 500V, 150 kW rack will deliver 900amps down to 170VDC which means this one source will cover many more applications than the competitors.

Auto-Range is especially useful when testing products that require varied input volt-ages while maintaining regulated output power. This feature often results in a single rack solution versus buying multiple sources to address low and high voltage / current requirements.

Energy Recovery

The SM15K series is the energy recovery back to the AC grid. Both series are highly efficient recovering nearly 95% of the stored energy. Recovering this load energy reduces your costs as well as eliminating the need for additional cooling required for air-cooled and water-cooled loads that dissipate energy in the form of heat.



INTEPRO
SYSTEMS

Remote Control & Connectivity

For remote control, there is by default an ethernet available on the rear of the devices, which can also be extended by four optional pluggable and retrofittable, digital interface modules (dedicated slot).

Alternatively, all models can be equipped with options for isolated analog, RS232/RS485/RS422, USB, Digital I/O, isolated contacts and the M/S-2 controller on the rear side of the device.

USB type A and B ports are located on the rear of the unit and are intended for USB flash drives in order to load and save functions and user profiles.

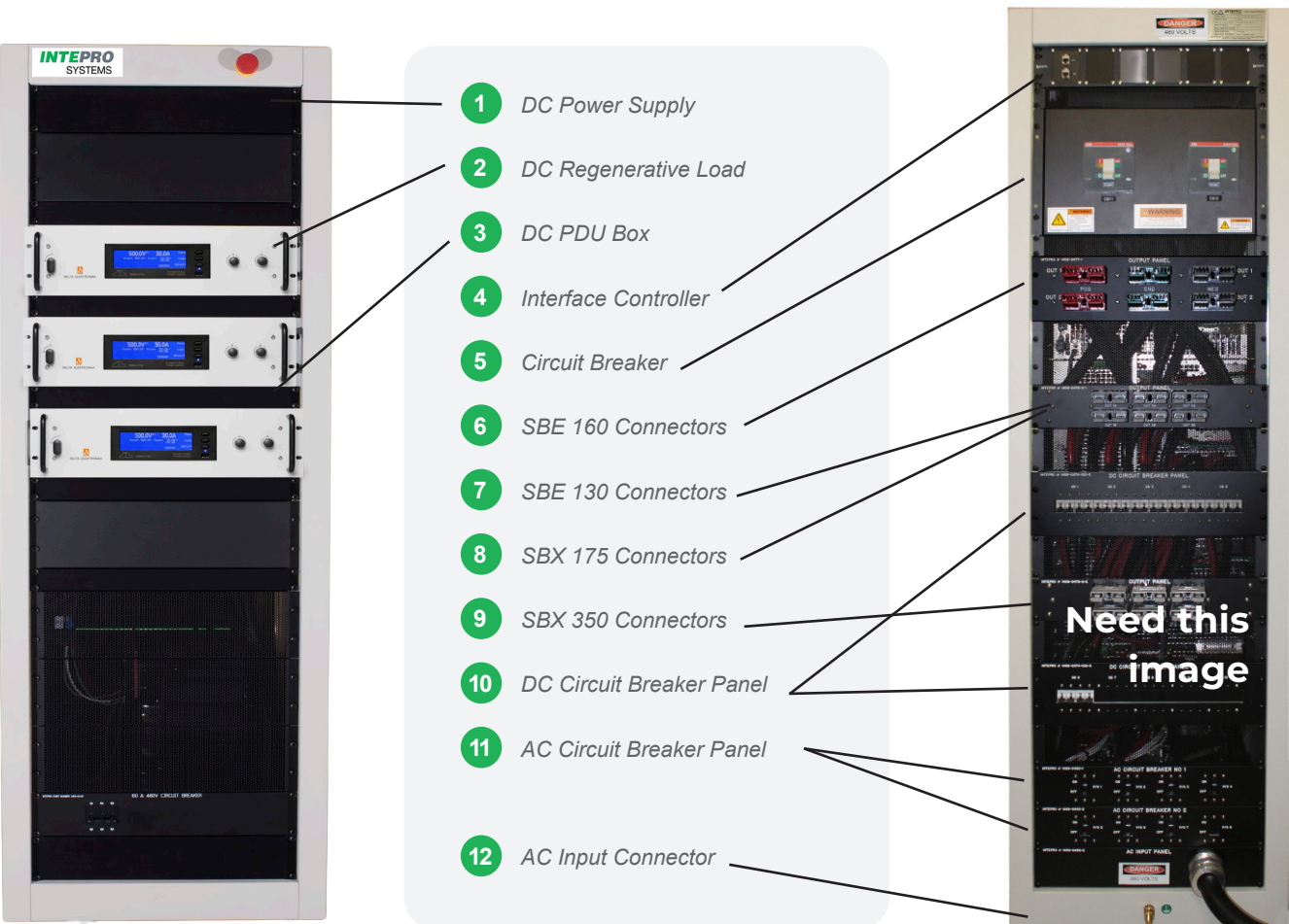
For the implementation into the LabView IDE we offer ready-to-use components (VIs) to be used with the interfaces types USB, RS232, GPIB and Ethernet. Other IDEs and interfaces are supported by documentation about the communication protocol.



Types of Cabinets

- 21U - Maximum 75 kW using 15 kW modules
- 30U - Maximum 120 kW using 15 kW modules
- 35U - Maximum 150kW using 15 kW modules
- 42U - Maximum 180 kW using 15 kW modules

Examples of Back Panels



Specifications

AC Input Voltage (3-phase; 4 Wire)		
Output Power	400 L-L	480 L-L
15kW	26 Amps per phase	21 Amps per phase
30kW	51 Amps per phase	43 Amps per phase
45kW	77 Amps per phase	64 Amps per phase
60kW	102 Amps per phase	85 Amps per phase
75kW	128 Amps per phase	107 Amps per phase
90kW	153 Amps per phase	128 Amps per phase
105kW	179 Amps per phase	149 Amps per phase
120kW	205 Amps per phase	171 Amps per phase
135kW	230 Amps per phase	192 Amps per phase
150kW	256 Amps per phase	213 Amps per phase
165kW	281 Amps per phase	234 Amps per phase
180kW	307 Amps per phase	256 Amps per phase
195kW	333 Amps per phase	277 Amps per phase
210kW	358 Amps per phase	298 Amps per phase
225kW	384 Amps per phase	320 Amps per phase
240kW	409 Amps per phase	341 Amps per phase
270kW	460 Amps per phase	384 Amps per phase

Specifications Cont.

SM15K Bi-Directional DC Source Rack					
Power	Voltage				
	70V	210V	500V	1000V	1500V
15kW	450A	150A	90A	45A	30A
30kW	720A	720A	420A	240A	180A
45kW	1080A	1080A	630A	360A	270A
60kW	1440A	1440A	840A	480A	360A
75kW	1800A	1800A	1050A	600A	450A
90kW	2160A	2160A	1260A	720A	540A
105kW	2520A	2520A	1470A	840A	630A
120kW	2880A	2880A	1680A	960A	720A
135kW	3240A	3240A	1890A	1080A	810A
150kW	3600A	3600A	2100A	1200A	900A
165kW	3960A	3960A	2310A	1320A	990A
180kW	4320A	4320A	2520A	1440A	1080A
195kW	4680A	4680A	2730A	1560A	1170A
210kW	5040A	5040A	2940A	1680A	1260A
225kW	5400A	5400A	3150A	1800A	1350A
240kW	5760A	5760A	3360A	1920A	1440A
270kW	6120A	6120A	3570A	2040A	1530A
285kW	9000A	3000A	1800A	900A	600A
300kW	9450A	3150A	1890A	945A	630A
315kW	9900A	3300A	1980A	990A	660A
330kW	10350A	3450A	2070A	1035A	690A
345kW	10800A	3600A	2160A	1080A	720A
360kW	11250A	3750A	2250A	1125A	750A
375kW	11700A	3900A	2340A	1170A	780A
390kW	12150A	4050A	2430A	1215A	810A
405kW	12600A	4200A	2520A	1260A	840A
420kW	13050A	4350A	2610A	1305A	870A
435kW	13500A	4500A	2700A	1350A	900A
450kW	13950A	4650A	2790A	1395A	930A
465kW	14400A	4800A	2880A	1440A	960A
480kW	14850A	4950A	2970A	1485A	990A
495kW	15300A	5100A	3060A	1530A	1020A
510kW	15750A	5250A	3150A	1575A	1050A



Specifications Cont.

Notes

SM15K Bi-Directional DC Source Rack					
Power	Voltage				
	70V	2100V	500V	1000V	1500V
525kW	16200A	5400A	3240A	1620A	1080A
540kW	16650A	5550A	3330A	1665A	1110A
555kW	17100A	5700A	3420A	1710A	1140A
570kW	17550A	5850A	3510A	1755A	1170A
585kW	18000A	6000A	3600A	1800A	1200A
600kW	18450A	6150A	3690A	1845A	1230A
615kW	18900A	6300A	3780A	1890A	1260A
630kW	19350A	6450A	3870A	1935A	1290A
645kW	19800A	6600A	3960A	1980A	1320A
660kW	20250A	6750A	4050A	2025A	1350A
675kW	20700A	6900A	4140A	2070A	1380A
690kW	21150A	7050A	4230A	2115A	1410A
705kW	21600A	7200A	4320A	2160A	1440A
720kW	22050A	7350A	4410A	2205A	1470A
735kW	22500A	7500A	4500A	2250A	1500A
750kW	22950A	7650A	4590A	2295A	1530A
765kW	23400A	7800A	4680A	2340A	1560A
780kW	23850A	7950A	4770A	2385A	1590A
795kW	24300A	8100A	4860A	2430A	1620A
810kW	24750A	8250A	4950A	2475A	1650A
825kW	25200A	8400A	5040A	2520A	1680A
840kW	25650A	8550A	5130A	2565A	1710A
855kW	26100A	8700A	5220A	2610A	1740A
870kW	26550A	8850A	5310A	2655A	1770A
885kW	27000A	9000A	5400A	2700A	1800A
900kW	27450A	9150A	5490A	2745A	1830A



INTEPRO SYSTEMS

CONTACT US

United States

*Intepro Systems America, LP.
14662-E Franklin Ave
Tustin, CA 92780 USA
Tel: +1 714.953.2686*

United Kingdom

*Intepro UK Ltd.
9 Lakeside Business Park
Swan Lane, Sandhurst Berkshire
GU47 9DN / UK
Tel: 44 012 5287 5600*

China

*Intepro Power Electronics (Shenzhen) Co., Ltd
No. 828, Block 7, Fourth Industrial Area
Nanyou, Nanshan District
Shenzhen, China 518052
Tel: 0086 755 86500020*

Ireland

*Intepro Systems Ireland Limited
Lonsdale Road
National Technology Park
Limerick / Ireland
T +353 61 33 22 33
F +353 61 33 25 84*

Sales & Support

*sales@InteproATE.com
support@InteproATE.com*

www.Inteprosystems.com