



# VEGA® DC POWER SYSTEM VSYS-IRU-203-C



## Introduction

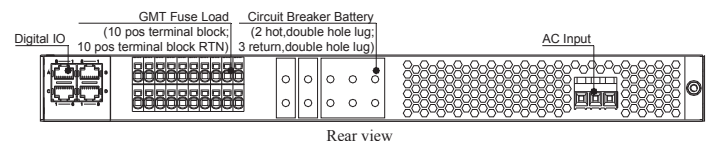
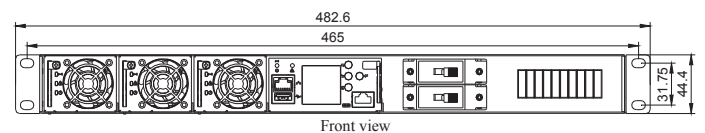
- VSYS-IRU-203-C is a highly integrated DC power supply system with redundant rectifier modules, system controller, and multi position output distribution options;
- Rear wired AC and DC power access and efficient installation, access, and user friendly control / monitoring;
- Battery Low Voltage Disconnect.

## Applications

- Fiber optic network
- Access network
- Satellite communication ground station
- Transmission equipment
- Mobile communication
- Industrial DC power

## Features

- 1U sub-rack, easy to be embedded into any standard 19" rack;
- Maximum 60ADC system capacity;
- Hot-swappable rectifier modules;
- N+1 rectifier module redundancy;
- Powerful controller features;
- Advanced battery monitoring and management.



# Specifications

<b>MODEL</b>	<b>VSYS-1RU-203-C</b>
<b>AC INPUT</b>	
Voltage	85-300VAC
Input Current	< 7.5A (per 1000W rectifier)
Frequency	45-66Hz
THDi	< 5%
<b>OUTPUT</b>	
Output Voltage	-54V rated output voltage; -54V float voltage; -56V boost voltage
Output Current	≤ 55.5A @54V
Voltage Regulation	< 0.6%
Current Sharing	< 5%
Efficiency	≥ typical 95%
Ripple and Noise	≤ 200mV peak to peak
Psophometric Noise	≤ 2mV
<b>MONITORING</b>	
Communication	Remote access via WEB and SNMP
Dry Contact	4 relay outputs, NO+COM
Digital Input	4*DI
Function	Operation information acquisition, battery and system management, system alarm, communication with control center related ports.
Display	LCD
Temperature Sensor Interface	2
<b>PHYSICAL &amp; ENVIRONMENTAL</b>	
Operating Temp.	-40°C ~ 75°C (-104°F to +167°F)
Storage Temp.	-40°C ~ 85°C (-104°F to +185°F)
Humidity	Operating: ≤ 95% (non-condensing); Storage: ≤ 99% (non-condensing)
Dimensions (W*H*D, inch)	19*1.75 (1U)*11
Weight	≤ 17.6lb (without rectifier)
<b>OPTIONS</b>	
DC Distribution	Fuses for load: 15A*10; MCBs for battery: 30A*2; Front operation and rear connection.
AC Distribution	Terminal blocks will be used for AC input. Rear connection.
Output Protection	Short-circuit protection, overload protection
<b>DESIGN STANDARDS</b>	
Electrical Safety	UL 60950-1, EN 60950-1
EMC	ETSI EN 300 386 V1.4.1; EN 61000-6-1 (immunity, light industry); EN 61000-6-2 (immunity, industry) EN 61000-6-3 (emission, light industry); EN 61000-6-4 (emission, industry)
Environment	ETSI EN 300 019-2-1 Class 1.2; ETSI EN 300 019-2-2 Class 2.3; ETSI EN 300 019-2-3 Class 3.2

