



VEGA® POWER SYSTEM VDST-1RU-SSB-300



Introduction

- VDST-1RU-SSB-300-A is the industry's first 1RU intelligent energy distribution system to advance the DC distribution paradigm to the digital edge;
- Equipped with digital circuit breakers, this system enables unmatched control, visibility, and reporting for wide range of DC distribution applications;
- The system software is designed to take advantage of the advanced features of this digital circuit breakers to provide intuitive access and control of the system.

Applications

- Fiber optic network
- Access network
- Satellite communication ground station
- Transmission equipment
- Mobile communication
- Industrial DC power
- 5G base station/Micro base station

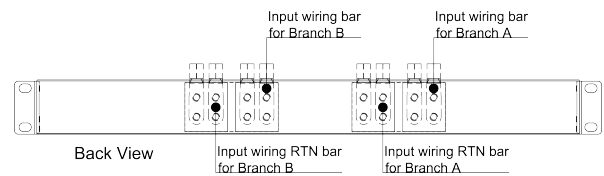
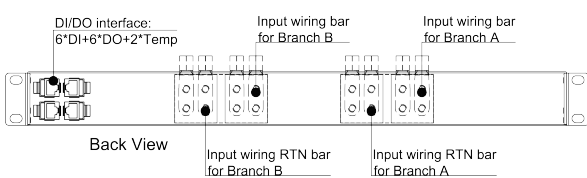
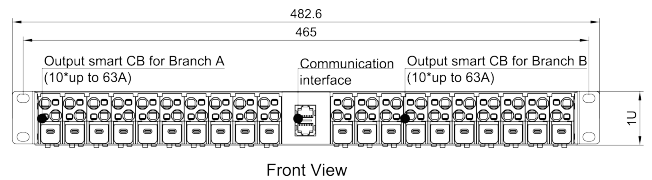
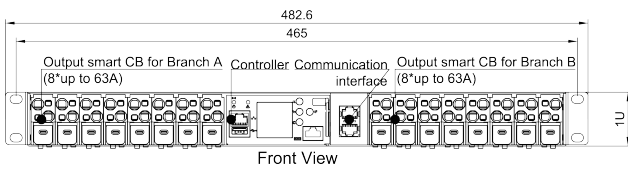
Features

- The distribution can accommodate up to 16 breakers in the main unit and 20 breakers in the extension units;
- One main and two extension units can be accessed with single controller and IP address;
- Can be configured as single bus 240A or split bus (A and B) 120A;
- Fully isolated A and B bus configuration in split bus mode;
- Software configured features for each circuit breaker or circuit breaker groups:
 - Low voltage and over voltage protection
 - Voltage, current, and power monitoring
 - Temperature monitoring and protection
 - Current threshold warning
 - Historical data and event log
 - Remote activation and deactivation



Specifications

MODEL	VDST-IRU-SSB-300-A/B
POWER SPECIFICATIONS	
Voltage	48VDC
Combined Current Rating	240A
Spilt Bus Current Rating	120A
Input Interface	Two double hole wiring terminals for each positive and negative busbar
Number of Output Per Bus	8
Operating Voltage Range	20-60VDC
Number of Breaker Outputs	16 (Main Unit) and 20 (Extension Unit)
Max Breaker Ratings	63A
MONITORING	
Cotroller	VCNT100
Dry Contact	4 relay outputs
Digital Input	4*DI
Function	Operation information acquisition, system alarm, communication with control center related ports. Voltage, current, power, branch status alarm, LVD control, etc. for each output branch.
Display	LCD
Temperature Sensor Interface	2
OTHER SPECIFICATION	
Operating Temp.	-40°C ~ 70°C (-104°F to +158°F)
Storage Temp.	-40°C ~ 85°C (-104°F to +185°F)
Humidity	Operating: ≤ 90% (non-condensing); Storage: ≤ 95% (non-condensing)
Dimensions (W*H*D, inch)	19*1.75 (1U)*11.8
Weight	≤ 11lb
Design Standard	IEC 62368-1, EN 62368-1, UL 62368-1



MAIN UNIT

EXPANSION UNIT

