ReVx Energy

VinciX-ESS-PDU

Battery Management System



FEATURES

- Supports battery voltage up to 1500V
- Integrated Fuse, Current Sensor, Contactor, Power Supply and High Voltage Master BMS
- Multiple versions based on applications
  - V1: Without MCCB and Display
  - V2: Without MCCB, with Display
  - V3: With MCCB, without Display
- Interface up to 20 LMU and various standard inverters
- 3U 19-inch rack-mounted Architecture
- BMS Monitoring studio for easy configuration, Monitoring, Plotting and Logging

APPLICATIONS

- Home Energy Storage
- Commercial and Industrial Energy Storage

KEY SPECIFICATION

Parameters	Specifications
Power supply	User selectable Option1: External AC Supply Option2: All Logic Supplies derived from Battery Voltage
Number of LMU	Up to 20 [Easily configurable based on design requirement]
Status LED	Power Supply, Fault and Ok
Versions	V1: Cost Sensitive applications Without MCCB, without Display V2: Medium voltage applications With Display, without MCCB V3: High voltage application Without display and With MCCB
External display interface	4.2 inch/7 inch/ 10-inch touch screen display
Number of Contactors and Power Diode	User selectable Option1: 3 Contactors and Diode if PCS is not controlled over CAN/RS485 Option2: 2 Contactor if PCS is controlled over CAN
Current Sense type	Hall Sensor
Master BMS	VinciX_HV_BMS
PCS communication type	SAE J1939 29 bit ID / Standard CAN 2.0 A/B 11/29 bit ID / Modbus over RS485 Compatible with Pylon tech protocol
Supported CAN speeds	Up to 1Mbps
CAN ports	2 Isolated CAN
Remote monitoring module communication type	Isolated RS-485
Supported RS-485 speeds	Up to 1Mbps
Local data monitoring	CAN/RS485
Control IO	Isolated O/P: 2
Dimension	3U Rack Mounted

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