

# Power Supply Monitoring

LX1800D



## Key Functions I

Measurement	Analog value measurement
	Digital value measurement
Communication	The Controller can communicate with the host computer in three modes: RS232, RS485 and Ethernet (WEB and SNMP). It can communicate with the rectifiers in RS485 mode.
DI/DO	5 user digital input interfaces freely configurable
	2 groups of dry contact outputs freely configurable
Screen and Leds	High resolution LCD screen display running information and local setting interface
	Green/Yellow/Red LEDS indicate running status for local instant diagnose.
Alarm history, event history store	100 alarms history, FIFO for system analysis.



## Overview

LX1800D is the new generation DC power controller module developed by LongXing. The Controller module adopts ARM7 CPU as primary controller, and RTOS as system platform. LX1800D offers many features and functions, and a more robust, user-friendly, and easy-to-use interface.

## Features

- Flexible and scalable to satisfy your present and future needs
- Smart battery management gives long battery life-span
- Automatic battery test including advanced scheduled test / constant test / fast test
- Lower operating cost due to energy saving standby function for rectifier

## Applications

- Indoor/outdoor power supply

In addition to controlling of rectifier modules, AC/DC distribution, LX1800D manages battery charge, discharge, test, maximizes battery capacity and lifespan. With improved memory, LX2000 can store mass alarm/event for system performance analysis and fault Diagnose.

DI/DO connectors and RS232/Ethernet ports provide flexible extension function and parameters setting, remote monitor system accessing.

## Key Functions II

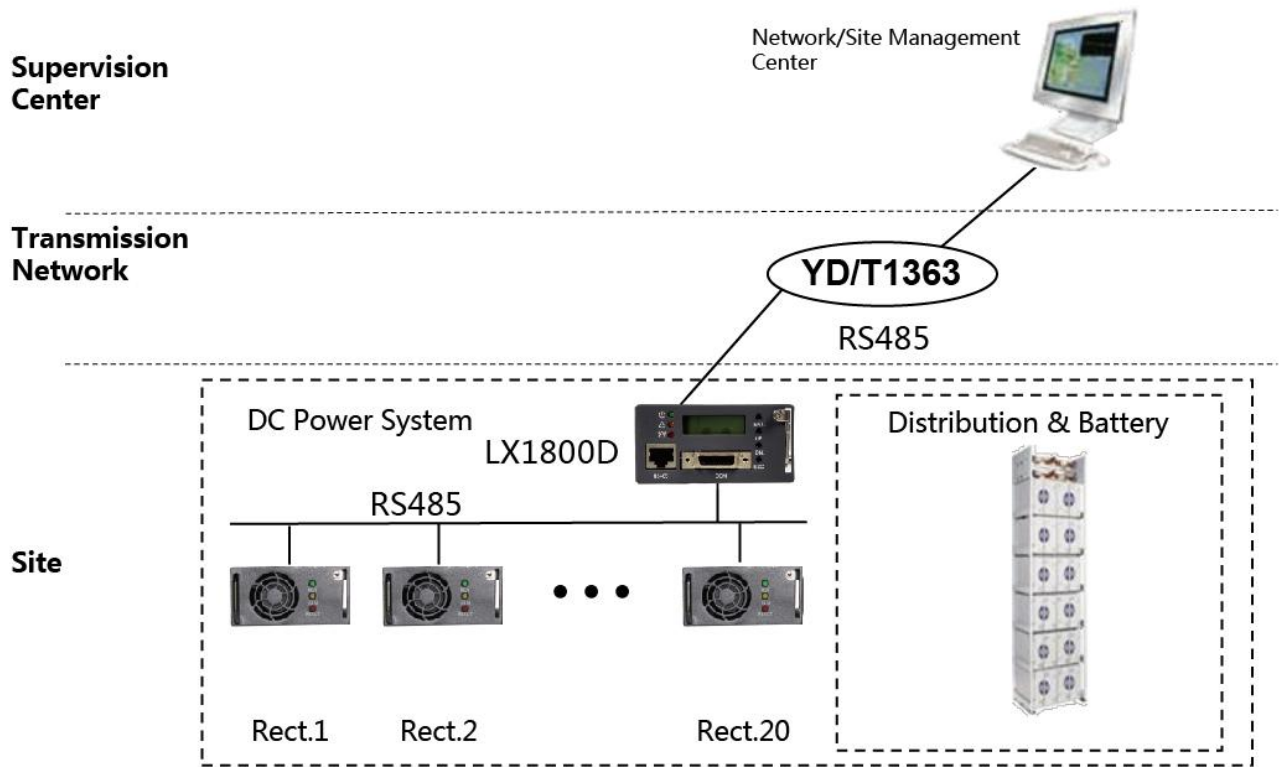
Remote Metering	Remote Control	Battery Management	Energy Saving Mode
<ul style="list-style-type: none"> <li>◆ AC voltage</li> <li>◆ Bus voltage</li> <li>◆ Load current</li> <li>◆ Battery current</li> <li>◆ Battery temperature</li> <li>◆ Ambient temperature</li> <li>◆ Rectifier modules voltage/current</li> </ul>	<ul style="list-style-type: none"> <li>◆ Equilizing and floating charge of rectifier module</li> <li>◆ Voltage regulating of rectifier module</li> <li>◆ Current limiting of rectifier module</li> <li>◆ On/Off control of rectifier module</li> <li>◆ Load disconnect</li> <li>◆ Battery disconnect</li> </ul>	<ul style="list-style-type: none"> <li>◆ Boost Charge</li> <li>◆ Temperature Compensation</li> <li>◆ Battery Test</li> <li>◆ Low Voltage Disconnection</li> <li>◆ Battery Capacity Prediction</li> </ul>	<ul style="list-style-type: none"> <li>◆ High/standard efficiency modules mixture management</li> <li>◆ Modules running cyclic</li> <li>◆ Modules running dormancy</li> </ul>

## Alarms/Events

<ul style="list-style-type: none"> <li>◆ SPD alarm</li> <li>◆ Smoke alarm</li> <li>◆ Door alarm</li> <li>◆ Water alarm</li> <li>◆ configurable digital input alarm</li> <li>◆ Load fuse alarm</li> <li>◆ Battery fuse alarm</li> <li>◆ Manual mode alarm</li> </ul>	<ul style="list-style-type: none"> <li>◆ Battery boost charge</li> <li>◆ Battery test</li> <li>◆ Battery discharge</li> <li>◆ Current imbalance</li> <li>◆ Abnormal output voltage</li> <li>◆ Battery test fail</li> <li>◆ Load disconnect</li> <li>◆ Battery disconnect</li> </ul>	<ul style="list-style-type: none"> <li>◆ AC power failure</li> <li>◆ Module communication fail</li> <li>◆ Module fault</li> <li>◆ Module fan fault</li> <li>◆ Module protect</li> <li>◆ Module on/off status</li> <li>◆ AC over voltage and under voltage</li> </ul>	<ul style="list-style-type: none"> <li>◆ DC over voltage and under voltage</li> <li>◆ Battery charge over-current</li> <li>◆ Battery temperature alarm</li> <li>◆ Ambient temperature alarm</li> <li>◆ Battery imbalance</li> <li>◆ System energy-saving mode</li> <li>◆ Abnormal energy-saving</li> </ul>
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# Site Monitoring Solution



## Part Details

