

LDR Solar Power Input Outdoor Hub IP55, RCLDR-PM-OD-NPT0101

❖ Overview

RCLDR-PM-OD-NPT0101 is an outdoor solar PoE switch, powered by solar battery, with MPPT controller, storage battery, PoE switch, circuit-breaker, surge arrester, cooling fan inside. It can be applied for surveillance monitoring, forest monitoring, etc.

❖ Pictures



❖ Features

- ❖ Solar power input, input 60~150VDC;
- ❖ PoE switch with 8*10/100/1000M PoE ports and 2*1000M SFP ports, with L2 network management;
- ❖ support L2 management, such as QoS, VLAN, MSTP, Multi-broadcast, ports management and PoE management.
- ❖ With MPPT controller, connected the solar battery and charge the storage battery;
- ❖ With storage battery, lithium iron phosphate battery.
- ❖ The box adopts waterproof (protection level IP55), anti-rust treatment, suitable for long time outdoor use.

LDR Solar Power Input Outdoor Hub IP55, RCLDR-PM-OD-NPT0101

❖ Hardware specification

| Parameter | Specifications |
|-----------------|--|
| Solar input | Solar battery input, 60~150VDC |
| PoE switch | Switch parameter: 1~8 ports: 10/100/1000Base-T 30W PoE RJ45(IEEE802.3af/at) 9~10 ports: 1000M SFP slots |
| | PoE ports: Ports 1~8 support IEEE802.3af/at, end-span, 30W per port Max. |
| | Switch Working mode: Default: common switch. VLAN: 1~8 ports are isolated, only can communicate with the uplink ports; restrain the network storm; close flow control. |
| | Switch fabric: 20Gbps |
| | Switch Throughput: 14.88Mpps |
| | Switch Buffer: 4M |
| | Switch MAC address table:8K |
| | Switch Indicator: Power: 1 *red ; Downlink 1~8: Green LEDs indicate Link/Act, yellow LEDs indicate PoE Uplink9, 10: Green LEDs indicate Link/Act |
| | Switch Protection: Surge: 6KV, standard: IEC61000-4-5 ESD: 6KV: contact 8KV: air, standard:IEC61000-4-2 |
| | Switch ESD: 6KV: contact / 8KV: air, standard:IEC61000-4-2 |
| Circuit-breaker | 220V 10A |
| Surge arrester | 220V 40KA |
| Cooling fan | 1 pc |
| MPPT controller | System voltage: 12V/24V/36V/48V/Auto |
| | Solar input voltage: <150V |
| | Battery type: lead battery and li battery |
| | MPPT efficiency: >99% |
| Storage battery | Rated charging current: 40A |
| | Battery type : Ternary lithium battery Rated voltage: 48V, 7.5AH |
| Box | Dimension(L×W×H): 380mm×220mm×500mm |
| | Working temperature: 0°C~55°C |
| | Storage temperature: -40°C~85°C |
| | Humidity: 0~90%(No condensation) |
| | Material: Metal SGCC |
| | Color: White Net-weight: 20KG |

LDR Solar Power Input Outdoor Hub IP55, RCLDR-PM-OD-NPT0101

Network switch software specification

| ITEM | | | | Web | CLI |
|----------------------|--------------------|-------------------------------------|-------------------------------------|-----|-----|
| System configuration | System date time | SNTP | Enable/Disable | Yes | Yes |
| | User Management | \ | Apply/Delete | Yes | Yes |
| | Safe Management | http | Enable/Disable | Yes | Yes |
| | | SNMP | Enable/Disable | Yes | Yes |
| | | telnet | Enable/Disable | | Yes |
| | | SSH | Enable/Disable | | Yes |
| | Configuration file | \ | Upload/Download | Yes | Yes |
| | | \ | Save/Delete | Yes | Yes |
| | Firmware file | \ | Upload | Yes | Yes |
| System | \ | Reboot/Reboot Factory | Yes | Yes | |
| Port configuration | Common | Admin Status | Up/Down | Yes | Yes |
| | | Speed | Auto | Yes | Yes |
| | | | Full-1000 Mbps | Yes | Yes |
| | | | Full-100 Mbps | Yes | Yes |
| | | | Half-100 Mbps | Yes | Yes |
| | | | Full-10 Mbps | Yes | Yes |
| | | | Half-10 Mbps | Yes | Yes |
| | Flow control | \ | On/Off | Yes | Yes |
| | Storm constrain | Action | Block | | Yes |
| | | | Shutdown | | Yes |
| | | Broadcast | Min-rate Max-rate 1~1488100pps | | Yes |
| | | Enable | Log | | Yes |
| | | | Trap | | Yes |
| | | Interval | 6~180s | | Yes |
| | | Multicast | Min-rate Max-rate 1~1488100pps | | Yes |
| | Unicast | Min-rate Max-rate 1~1488100pps | | Yes | |
| | Strom control | Broadcast(1~1024000kbps) | On/Off | Yes | Yes |
| | | Multicast(1~1024000kbps) | On/Off | Yes | Yes |
| | | DLF(1~1024000kbps) | On/Off | Yes | Yes |
| | Rate limit | TX | 1~1024000kbps/Off | Yes | Yes |
| | | RX | 1~1024000kbps/Off | Yes | Yes |
| | Protected Port | / | Yes/No | Yes | Yes |
| | Learn Limit | MAC Address | 0~8191 | Yes | Yes |
| Port trunk | Trunk Group | Create/Delete | Yes | Yes | |
| | | Add/Delete | Yes | Yes | |
| | Trunk Method | Src-mac | Yes | Yes | |
| | | Dst-mac | Yes | Yes | |

LDR Solar Power Input Outdoor Hub IP55, RCLDR-PM-OD-NPT0101

| | | | | | |
|-----------------------|-----------------|-------------------|---------------------------|-----|-----|
| | | | Src-dst-mac | Yes | Yes |
| | | | Src-ip | Yes | Yes |
| | | | Dst-ip | Yes | Yes |
| | | | Src-dst-ip | Yes | Yes |
| | Port Mirror | Mirror Port | / | Yes | Yes |
| | | Mirrored Port | / | Yes | Yes |
| | | Mirror Direction | Receive | Yes | Yes |
| | | | Transmit | Yes | Yes |
| | | | Both | Yes | Yes |
| | | | Not_receive | Yes | Yes |
| | | | Not_transmit | Yes | Yes |
| | Neither | Yes | Yes | | |
| | DHCP | DHCP client | Enable | | Yes |
| | | | Release | | Yes |
| | | | Renew | | Yes |
| | | DHCP Snooping | / | | Yes |
| | IP | IGMP Snooping | Mrouter VLAN(1~4094) | | Yes |
| | | MAC-bind | IP Address MAC Address | | Yes |
| | IP-subnet-vlan | IP Address Mask | VLAN 1~4094 | Yes | Yes |
| | LACP | Port Priority | 1~65535 | | Yes |
| | | Timeout | Long | | Yes |
| | | | Short | | Yes |
| | LLDP | Admin Status | Disable | | Yes |
| | | | TX | | Yes |
| | | | RX | | Yes |
| | | | TXRX | | Yes |
| | | Enable | / | | Yes |
| Check-change-interval | | 1~30 | | Yes | |
| Management Address | | IP Address | | Yes | |
| Tlv-enable | | Dot1-tlv | | Yes | |
| | Dot3-tlv | | Yes | | |
| | Med-tlv | | Yes | | |
| Loopback detection | Enable | / | | Yes | |
| | Resume | / | | Yes | |
| | Resume Mode | Automation | | Yes | |
| | | Manual | | Yes | |
| | Shutdown Mode | No Shutdown | | Yes | |
| | | Shutdown | | Yes | |
| MAC VLAN | MAC Address | VLAN 1~4094 | | Yes | |
| VLAN-mapping | VLAN(1~4094) | Map-vlan(1~4094) | | Yes | |
| Voice VLAN | VLAN ID(1~4094) | Enable/Disable | | Yes | |

LDR Solar Power Input Outdoor Hub IP55, RCLDR-PM-OD-NPT0101

| | | | | | |
|--------------------|------------------|--------------------|---------------------------|-----|-----|
| | | Qos Map-queue(0~7) | Remark-dscp(0~63) | | Yes |
| | Mvr-interface | Enable/Disable | / | | Yes |
| | OAM | Enable | / | | Yes |
| | | Loopback | / | | Yes |
| | | Mode | Active | | Yes |
| | | | Passive | | Yes |
| | QinQ | Customer | / | | Yes |
| | | Outer-vid(1~4094) | Inner-vid(VLAN ID) | | Yes |
| | | Tpid | / | | Yes |
| | | Uplink | / | | Yes |
| | Ulld | Aggressive | / | | Yes |
| | | Port | / | | Yes |
| Jumbo Frame | | 1523~16383bytes | | Yes | |
| DDM Information | / | / | Yes | Yes | |
| MAC | MAC Binding | | Select-all/Apply/Delete | Yes | Yes |
| | MAC Auto Binding | | Select-all/Apply | Yes | Yes |
| | MAC Filter | | Select-all/Apply/Delete | Yes | Yes |
| | MAC Auto Filter | | Select-all/Apply | Yes | Yes |
| | Bridge | Acquire | / | | Yes |
| | | Address | MAC(HHHH.HHHH.HHH) | | Yes |
| | | Ageing-time | 10~1000000s | | Yes |
| | | Unregistered | Multicast Discard/Forward | | Yes |
| VLAN configuration | VLAN | 2~4094 | Apply/Delete | Yes | Yes |
| | VLAN Port | Mode | Access | Yes | Yes |
| | | | Trunk | Yes | Yes |
| | | | Hybrid | Yes | Yes |
| | | Port Members | Default VLAN(p) | Yes | Yes |
| | | | Tagged Member(t) | Yes | Yes |
| | | | Untagged Member(u) | Yes | Yes |
| UnMember | Yes | Yes | | | |
| SNMP configuration | SNMP community | Community Name | Apply/Delete | Yes | Yes |
| | | Read Only | Apply/Delete | Yes | Yes |
| | | Read Write | Apply/Delete | Yes | Yes |
| | TRAP Target | SNMP Version | V1 | Yes | Yes |
| | | | V2C | Yes | Yes |
| | | | V3 | Yes | Yes |
| Item | Apply/Delete | Yes | Yes | | |
| ACL configuration | Standard IP | Group Number | 1~99 1300~1999 | Yes | Yes |

LDR Solar Power Input Outdoor Hub IP55, RCLDR-PM-OD-NPT0101

| | | | | | | |
|--|-------------|----------------------|--|----------------------------------|-----|-----|
| | | | Select-all/Add/Delete | | | |
| | | Source IP | Select-all/Add/Delete | Yes | Yes | |
| | | Source Wildcard | Select-all/Add/Delete | Yes | Yes | |
| | | Math Data Packets | Deny/Permit | Yes | Yes | |
| | Extended IP | Group Number | 100~199 2000~2699 Select-all/Add/Delete | Yes | Yes | |
| | | Source IP | Add/Delete | Yes | Yes | |
| | | Source Wildcard | / | Yes | Yes | |
| | | Destination IP | / | Yes | Yes | |
| | | Destination Wildcard | / | Yes | Yes | |
| | | Protocol Type | IP/TCP/UDP | Yes | Yes | |
| | | Source Port | Ftp(TCP) Ftp-Data(TCP) Pop3(TCP) Sntp(TCP) Telnet(TCP) WWW(TCP) Rip(UDP) Sntp(UDP) Sntp-Trap(UDP) Tftp(UDP) | Yes | Yes | |
| | | Destination Port | Ftp(TCP) Ftp-Data(TCP) Pop3(TCP) Sntp(TCP) Telnet(TCP) WWW(TCP) Rip(UDP) Sntp(UDP) Sntp-Trap(UDP) Tftp(UDP) | Yes | Yes | |
| | | TCP Control Flag | Fin Sys Rst Psh Ack Urg | Yes | Yes | |
| | | Math Data Packets | Deny/Permit | Yes | Yes | |
| | | MAC IP | Group Number | 700~799 Select-all/Add/Delete | Yes | Yes |

LDR Solar Power Input Outdoor Hub IP55, RCLDR-PM-OD-NPT0101

| | | | | | |
|---------------|-------------------|----------------------|---------------------------------------|--------|-----|
| | | | e | | |
| | | Source MAC | Add/Delete | Yes | Yes |
| | | Source MAC wildcard | Select-all/Add/Delete | Yes | Yes |
| | | Source IP | Select-all/Add/Delete | Yes | Yes |
| | | Source Wildcard | Select-all/Add/Delete | Yes | Yes |
| | | Destination IP | Select-all/Add/Delete | Yes | Yes |
| | | Destination Wildcard | Select-all/Add/Delete | Yes | Yes |
| | | VLAN ID | 0~4094 Select-all/Add/Delete | Yes | Yes |
| | | Math Data Packets | Deny/Permit | Yes | Yes |
| | MAC ARP | Group Number | 1100~1199 Select-all/Add/Delete | Yes | Yes |
| | | Sender MAC | Add/Delete | Yes | Yes |
| | | Sender MAC wildcard | Select-all/Add/Delete | Yes | Yes |
| | | Sender IP | Select-all/Add/Delete | Yes | Yes |
| | | Sender IP wildcard | Select-all/Add/Delete | Yes | Yes |
| | | Math Data Packets | Deny/Permit | Yes | Yes |
| | ACL Reference | Ports | Select-all/Add/Delete | Yes | Yes |
| | | All ACL Group | Select-all/Add/Delete | Yes | Yes |
| | Time-range | Name | 1<=S<=31 | | Yes |
| | | Cycle-time | Days(0~6 week days) From(0~23hour) | | Yes |
| | | Utter-time | From(2000~2100year) | | Yes |
| | QoS configuration | QoS apply | Port | Select | Yes |
| QoS Type | | | NO QoS | Yes | Yes |
| | | | COS-based | Yes | Yes |
| | | | DSCP-based | Yes | Yes |
| | | | DSCP COS-based | Yes | Yes |
| User Priority | | 0~7 | Yes | Yes | |
| QoS schedule | | Port | Select | Yes | Yes |
| | QoS schedule mode | WRR | Yes | Yes | |

LDR Solar Power Input Outdoor Hub IP55, RCLDR-PM-OD-NPT0101

| | | | | | |
|--------------------|------------------------------|------------------------------------|-------------------------|-----|-----|
| | | | SP WFQ | Yes | Yes |
| | | Queue | 0~7 | Yes | Yes |
| | | Weight of queue | 1~127 | Yes | Yes |
| | IP Address | VIAN ID(VID) | 1~4094 Create/Delete | Yes | Yes |
| | | IP Address | Set/Delete | Yes | Yes |
| | | DHCP Client | Enable/Disable | Yes | Yes |
| | ARP | Static ARP | IP address add | Yes | Yes |
| | | | MAC address add | Yes | Yes |
| | | ARP Item | A.B.C.D delete | Yes | Yes |
| | | | A.B.C.D/M delete | Yes | Yes |
| | | | All delete | Yes | Yes |
| | | | Dynamic delete | Yes | Yes |
| | | | Static delete | Yes | Yes |
| | | Change Dynamic ARP into Static ARP | A.B.C.D/M | Yes | Yes |
| | All | | Yes | Yes | |
| Aging time | 1~65535min | | Yes | | |
| Host Static Route | Target Address/Subnet prefix | Apply/Delete | Yes | Yes | |
| | Next Hop | Apply/Delete | Yes | Yes | |
| AAA Configuration | Tacacs+ | Taccas+ | Enable/Disable | Yes | Yes |
| | | Server IP | A.B.C.D | Yes | Yes |
| | | Authentication Type | pap | Yes | Yes |
| | | | chap | Yes | Yes |
| | | Shared Secret | S<30 | Yes | Yes |
| | Radius | Primary Server | A.B.C.D | Yes | Yes |
| | | Option Server | A.B.C.D | Yes | Yes |
| | | UDP Port | 1~65535 | Yes | Yes |
| | | Accounting | Enable/Disable | Yes | Yes |
| | | Shared Key | S<30 | Yes | Yes |
| | | Vendor | S<24 | Yes | Yes |
| | | NAS Port | 1~65535 | Yes | Yes |
| | | NAS Port Type | 1~65535 | Yes | Yes |
| | | NAS Service Type | 1~65535 | Yes | Yes |
| | | Roaming | Enable/Disable | Yes | Yes |
| | 802.1x | 802.1x | Enable/Disable | Yes | Yes |
| | | Reauthentication | Enable/Disable | Yes | Yes |
| | | Reauthentication Period | 1~2147483647s | Yes | Yes |
| Quiet Period | | 1~2147483647s | Yes | Yes | |
| Tx-Period | | 1~2147483647s | Yes | Yes | |
| Server Timeout | | 1~2147483647s | Yes | Yes | |
| Supplicant Timeout | | 1~2147483647s | Yes | Yes | |
| Max Request | | 1~2147483647 | Yes | Yes | |

LDR Solar Power Input Outdoor Hub IP55, RCLDR-PM-OD-NPT0101

| | | | | | |
|-----------------------|----------------|-----------------------------|-----------------------------------|-----|-----|
| | | Reauth Max | Max Request | Yes | Yes |
| | | Client Version | 0.0~255.255 | Yes | Yes |
| | | Check Client | Enable/Disable | Yes | Yes |
| | | Check Version | Open/Close | | Yes |
| | 802.1x Port | Port Number | Select | Yes | Yes |
| | | Port Mode | N/A | Yes | Yes |
| | | | Force-Unauth | Yes | Yes |
| | | | Auto | Yes | Yes |
| | | | Force-Auth | Yes | Yes |
| | | Support Host Number | 1~256 | Yes | Yes |
| Guest VLAN | | 1~4094 | | Yes | |
| Transmit Port | Enable/Diaable | | Yes | | |
| 802.1x User Auth-Info | port | Select | Yes | Yes | |
| STP Configuration | MSTP | MSTP | Enable/Disable | Yes | Yes |
| | | Priority | 0~61440(icrements of 4096) | Yes | Yes |
| | | Portfast Bpdu-Filter | Enable/Disable | Yes | Yes |
| | | Portfast Bpdu-Guard | Enable/Disable | Yes | Yes |
| | | Forward-Time | 4~30(2*(ForwardTime-1)>=MaxAge) | Yes | Yes |
| | | Hello-Time | 1~10(2*(HelloTime+1)<=MaxAge) | Yes | Yes |
| | | Errdisable-Timeout | Enable/Disable | Yes | Yes |
| | | Errdisable-Timeout Interval | 10~1000000s(10,10000can't update) | Yes | Yes |
| | | Max-Age | 6~40s | Yes | Yes |
| | | Max-Hops | 1~40 | Yes | Yes |
| | | Cisco-Interopeability | Enable/Disable | Yes | Yes |
| | STP Port | Port | Select | Yes | Yes |
| | | Portfast | Enable/Disable | Yes | Yes |
| | | Portfast bpdu-filter | Enable/Disable/default | Yes | Yes |
| | | Portfast bpdu-guard | Enable/Disable/default | Yes | Yes |
| | | Root Guard | Enable/Disable | Yes | Yes |
| | | Link-Type | Shared | Yes | Yes |
| | | | Point-to-Point | Yes | Yes |
| | | Priority | 0~240(increments of 16) | Yes | Yes |
| | | Path-Cost | 1~200000000 | Yes | Yes |
| | | Force-Version | STP(0) | Yes | Yes |
| | | | RSTP(2) | Yes | Yes |
| MSTP(3) | Yes | | Yes | | |

LDR Solar Power Input Outdoor Hub IP55, RCLDR-PM-OD-NPT0101

| | | | | | |
|-----------------------------|-------------------|--------------------------|----------------------|-----|-----|
| | | | Not-supported(1) | Yes | Yes |
| | | Instance | 1~15 | | Yes |
| IGMP Snooping Configuration | IGMP Snooping | IGMP Snooping | Enable/Disable | Yes | Yes |
| GMRP Configuration | GMRP Global | Global GMRP | Enable/Disable | Yes | Yes |
| | GMRP Ports | Port | Select | Yes | Yes |
| | | GMRP Status | Enable/Disable | Yes | Yes |
| | GMRP Registration | Fixed | IF_Name | | Yes |
| | | Forbidden | | | Yes |
| Normal | | | | Yes | |
| EAPS Configuration | EAPS | EAPS Ring ID | 1~16 | Yes | Yes |
| | | Mode | None | Yes | Yes |
| | | | Master | Yes | Yes |
| | | | Transit | Yes | Yes |
| | | Primary Port | / | Yes | Yes |
| | | Secondary Port | / | Yes | Yes |
| | | Control VLAN | 2~4094 | Yes | Yes |
| | | Protected VLANs | 1~4094 | Yes | Yes |
| | | Hello Time Interval | 1~65535<Fail Time | Yes | Yes |
| | | Fail Time | 2~65535>Hello Time | Yes | Yes |
| | | Data Span | Enable/Disable | Yes | Yes |
| | | Extreme Interoperability | Enable/Disable | Yes | Yes |
| Enable Status | Enable/Disable | Yes | Yes | | |
| RMON Configuration | Statistics | Port | Select | Yes | Yes |
| | | Index | 1~100 | Yes | Yes |
| | | Owner | / | Yes | Yes |
| | History | Port | Select | Yes | Yes |
| | | Index | 1~100 | Yes | Yes |
| | | Interval | 1~3600 | Yes | Yes |
| | | Request Buckets | 1~100 | Yes | Yes |
| | | Owner | / | Yes | Yes |
| | | History Data | First | Yes | Yes |
| | | | Prev | Yes | Yes |
| | | | Next | Yes | Yes |
| | Last | | Yes | Yes | |
| | Alarm | Index | 1~60 | Yes | Yes |
| | | Interval | 1~3600 | Yes | Yes |
| | | Variable | Monitor Object's Oid | Yes | Yes |
| | | Sample Type | Absolute | Yes | Yes |
| | | | Delta | Yes | Yes |
| Rising Threshold | | 1~2147483647 | Yes | Yes | |
| Failing Threshold | | 1~2147483647 | Yes | Yes | |
| Rising Event Index | 1~60 | Yes | Yes | | |

LDR Solar Power Input Outdoor Hub IP55, RCLDR-PM-OD-NPT0101

| | | | | | | |
|--------------------|-----------------|---------------------|----------------|----------|-----|-----|
| | | Failing Event Index | 1~60 | Yes | Yes | |
| | | Owner | / | Yes | Yes | |
| | Event | Index | 1~60 | Yes | Yes | |
| | | Description | / | Yes | Yes | |
| | | Type | None | Yes | Yes | |
| | | | Log | Yes | Yes | |
| | | | Snmp-Trap | Yes | Yes | |
| | | | Log-and-Trap | Yes | Yes | |
| | | Community | / | Yes | Yes | |
| Owner | / | Yes | Yes | | | |
| Cluster Management | NDP | Port | Select | Yes | Yes | |
| | | Port Enable | Enable/Disable | Yes | Yes | |
| | | Global Enable | Enable/Disable | Yes | Yes | |
| | | Hello-Time | 1~4096 | Yes | Yes | |
| | | Aging-Time | 1~4096 | Yes | Yes | |
| | NTDP | Port | Select | Yes | Yes | |
| | | Port Enable | Enable/Disable | Yes | Yes | |
| | | Global Enable | Enable/Disable | Yes | Yes | |
| | | Hops | 1~6 | Yes | Yes | |
| | | Interval-Time | 0~65535min | Yes | Yes | |
| | | Hop-Delay | 1~1000milsec | Yes | Yes | |
| | | Port-Delay | 1~100milsec | Yes | Yes | |
| | Cluster | Cluster Enable | Enable/Disable | Yes | Yes | |
| | | Management-VLAN | 1~4094 | Yes | Yes | |
| | | IP-Pool | A.B.C.D/M | Yes | Yes | |
| | | Handshake Time | 1~255sec | Yes | Yes | |
| | | Handshake Hold-time | 1~255sec | Yes | Yes | |
| | | Cluster Name | / | Yes | Yes | |
| | | Type | Autobuild | Yes | Yes | |
| | Log Information | Log | Log Priority | Critical | Yes | Yes |
| | | | | Warning | Yes | Yes |
| Informational | | | | Yes | Yes | |
| Debugging | | | | Yes | Yes | |
| All | | Yes | | Yes | | |
| Syslog | Open/Close | / | | Yes | | |
| POE Power Control | POE | Type | 802.3af | | Yes | |
| | | | 802.3at | Yes | Yes | |
| | | | 802.3bt | Yes | Yes | |
| | | Admin Status | Enable/Disable | Yes | Yes | |
| | | Total Power | 20~2500/0 | | Yes | |
| | | POE Policy | POE Port | Yes | Yes | |
| | | | Week Days | Yes | Yes | |

LDR Solar Power Input Outdoor Hub IP55, RCLDR-PM-OD-NPT0101

| | | | | | | |
|--------------------|----------------------|------------------------|---------------------|-------------------|-----|-----|
| | PD Query | | Clock | Yes | Yes | |
| | | POE Port | Select | Yes | Yes | |
| | | POE Watchdog | Enable/Disable | Yes | Yes | |
| | | PD IP Address | A.B.C.D | Yes | Yes | |
| | | PD Query Interval | 5~300sec | Yes | Yes | |
| | | PD Timeout Number | 2~10 | Yes | Yes | |
| | | PD Boot Time | 30~600sec | Yes | Yes | |
| DHCP | DHCP snooping | IP Address | Upload | | Yes | |
| | | | Auto-upload | | Yes | |
| | | | Download | | Yes | |
| | | | Reset-download | | Yes | |
| | | MAC Address | Delete | | Yes | |
| ERPS Configuration | ERPS | Domain ID | 1~8 | | Yes | |
| | | Node-role | interconnection | | Yes | |
| | none-interconnection | | | Yes | | |
| | ERPS Ring ID(1~32) | | Enable/Disable | / | | Yes |
| | | | Force Switch | Add/Clear | | Yes |
| | | | Manual Switch | | | Yes |
| | | | Guard Time | 10~2000 | | Yes |
| | | | Node Mode | Ring-node | | Yes |
| | | | | Rpl-neighbor-node | | Yes |
| | | | | Rpl-owner-node | | Yes |
| | | | Hold-off-time | 0~10000 | | Yes |
| | | | Raps-send-time | 1~10 | | Yes |
| | | | Raps-VLAN | 2~4094 | | Yes |
| | | | Revertive-behaviour | Non-revertive | | Yes |
| | | | | Revertive | | Yes |
| | | | Ring Mode | Major-ring | | Yes |
| | | | | Sub-ring | | Yes |
| | | | Rl-port | Select | | Yes |
| | | | Rpl-port | Select | | Yes |
| | | | Traffic VLAN | 1~4094 | | Yes |
| Wtb Time | | | 1~10 | | Yes | |
| Wtr Time | 1~12 | | Yes | | | |
| LACP Configuration | LACP | Max-active-link-number | 1~8 | | Yes | |
| | | System-priority | 1~65535 | | Yes | |
| LINE | Line | Vty | / | | Yes | |
| LLDP | LLDP | Global | Enable | | Yes | |
| | | Hold-multiplier | 2~10 | | Yes | |
| | | Timer | Reinit-delay | | Yes | |
| | | | Tx-delay | | Yes | |
| Tx-interval | | | Yes | | | |

LDR Solar Power Input Outdoor Hub IP55, RCLDR-PM-OD-NPT0101

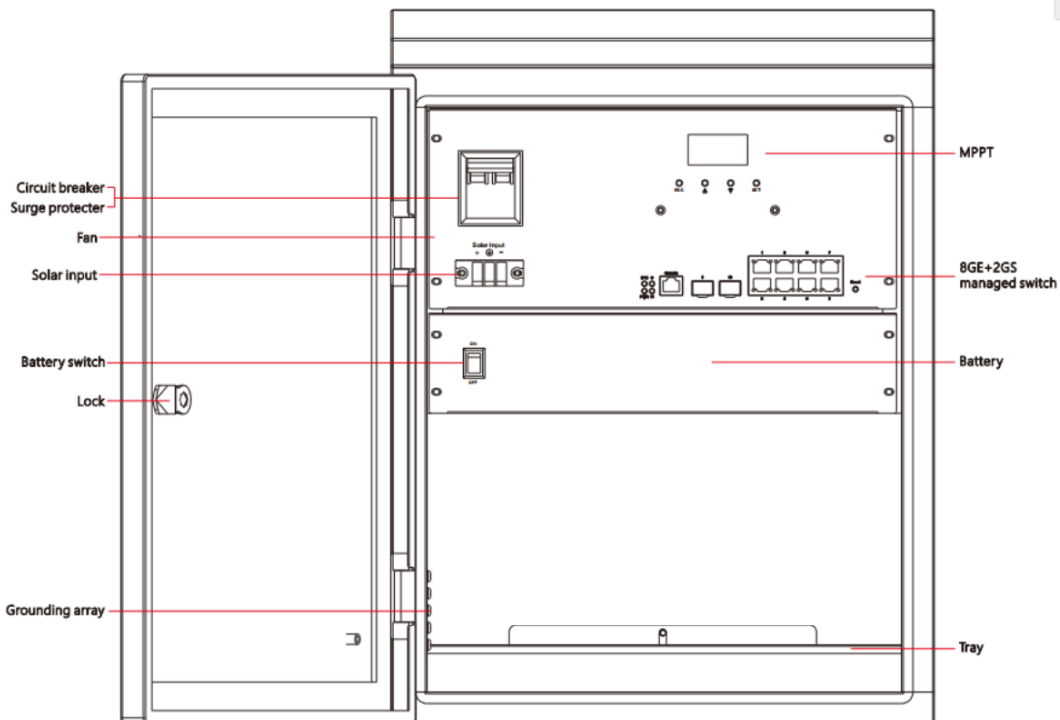
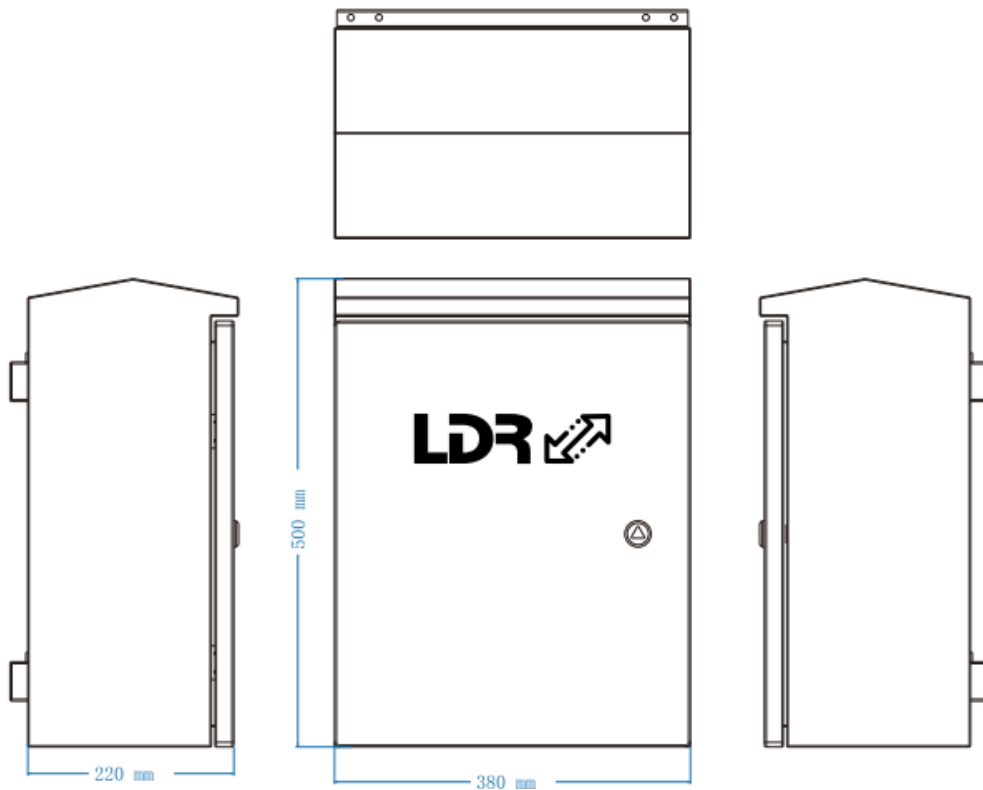
| | | | | |
|-----------------------|---------------------|----------------------|-------------------------|-----|
| Loop-detection | Loopback-detection | Detection-Time | (1~65535)*2<Resume-Time | Yes |
| | | Protocol-safety | / | Yes |
| | | Respond-packets | 2~100 | Yes |
| | | Resume-Time | 10~65535 | Yes |
| MVR | MVR | Enable/Disable | / | Yes |
| | | Group | IP Address | Yes |
| | | VLAN | 1~4094 | Yes |
| OAM | OAM | Errored-frame | Period | Yes |
| | | | Threshold | Yes |
| | | Errored-frame-period | Period | Yes |
| | | | Threshold | Yes |
| Errored-frame-seconds | Period | Yes | | |
| | Threshold | Yes | | |
| Redundant-Port | Redundant-port(1~8) | Force-switch | / | Yes |
| | | Primary-port | Secondary-port | Yes |
| UDLD | UDLD | Enable | / | Yes |
| | | Time | 7~90 | Yes |
| Protocol VLAN | Protocol VLAN | Ether-type | 0~65535 | Yes |
| | | | ARP | Yes |
| | | | Atalkarp | Yes |
| | | | Atalkddp | Yes |
| | | | Atmmulti | Yes |
| | | | Atmtransport | Yes |
| | | | Dec | Yes |
| | | | Deccustom | Yes |
| | | | Decdiagnostics | Yes |
| | | | Decdnadumload | Yes |
| | | | DecdnareMOTEconsole | Yes |
| | | | Decdnarouting | Yes |
| | | | Declat | Yes |
| | | | Decsyscomm | Yes |
| | | | G8bpqx25 | Yes |
| | | | IEEEaddrtrans | Yes |
| | | | IEEEpup | Yes |
| | | | IP | Yes |
| | | | IPX | Yes |
| | | | PPPdiscovery | Yes |
| PPPsession | Yes | | | |
| Rarp | Yes | | | |
| X25 | Yes | | | |
| Xeroxaddrtrans | Yes | | | |

LDR Solar Power Input Outdoor Hub IP55, RCLDR-PM-OD-NPT0101

| | | | | | |
|-----|-----|---------------------------|--|--|-----|
| | | | Xeroxpup | | Yes |
| CFM | CFM | CC | interval(3~7) Service-instance(1~3 2767) | | Yes |
| | | Enable | / | | Yes |
| | | Linktrace | Auto-detection | | Yes |
| | | MA | MD | | Yes |
| | | MD | Level(0~7) | | Yes |
| | | Mip-rule | Default Service-instance(1~3 2767) | | Yes |
| | | | Explicit Service-instance(1~3 2767) | | Yes |
| | | Service-instance(1~32767) | MA | | Yes |

LDR Solar Power Input Outdoor Hub IP55, RCLDR-PM-OD-NPT0101

❖ Structure



LDR Solar Power Input Outdoor Hub IP55, RCLDR-PM-OD-NPT0101

❖ Ordering information

| Version | describe |
|---------------------|--|
| RCLDR-PM-OD-NPT0101 | Outdoor solar PoE switch 8*10/100/1000M PoE+2*1000M SFP switch,with L2 network management; MPPT controller; Storage battery; Cooling fan; Circuit-breaker and surge protector; Metal box housing |