# SENDEF

## iPDU L20
## Programmable AC Power Distribution Units

**Software Controlled**
**SCPI over IP**
**Touch Screen TFT LCD display for manual operation**
**Long term data acquisition**
**Current Limiting with Cutoff and Warn options**
**Over/Under Voltage protection with different Warn and Cutoff levels**
**19" Rack mount**

**SENDEF** iPDU is a software-controlled, intelligent Power Distribution Unit, designed for use in industrial automation and automatic test equipments.

The  unit has 16 output channels grouped into 4 groups. Although each channel can be turned on and off independently, current measurements are made on the basis of groups.

The front panel comprises a 4.3" touch screen TFT display, and an  emergency stop button. Input is protected by this 20A thermal  circuit breaker which is located in the front panel, too.

Channels can be controlled from the touch screen or with the buttons located  on the front panel. There is an LED indicator on the relevant button that shows The relevant channel on/off status

Output channels can be turned on/off sequentially at specified times.  Desired channels can be included/excluded in/from the on/off scenario. Sequential on/off times are adjustable between 0.1 seconds and 999.9 seconds.

iPDU supports **SCPI** protocol. Users can integrate the units into their own environment using the SCPI protocol over the Ethernet interface.

All the settings and configurations can be made through Touch Screen TFT LCD  on the front panel

There is a 105 dBA buzzer inside the PDU. Besides visual warnings, current/voltage anomalies are notified to the user audibly.

There is a real time counter (ETI) on the PDU. ETI is independent of all other components and it shows the total time that the unit has remained active.

## Features

- *19" Rack Mount*
- *Input voltage measurement*
- *Precision output current measurement for each group (4 groups of 4 channels)*
- *SCPI over TCP/IP*
- *Adjustable Under/Over Voltage Protection (Warning and Cut-off limits can be set independently)*
- *Adjustable Current Limit Function (Independent for each output group. With Cut/Warn options*
- *Sequential on-off (0.1 sec – 999.9secs)*
- *Input/Output indicators*
- *Elapsed Time Indicator*
- *IEC 320 C13/C19 outputs*
- *Ambient temperature sensor*

→ *iPDU can be ordered in different input-output configurations according to user requirements.See Part Numbering Section.*

→ *This iPDU is not compatible with PDU Manager Software*

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## iPDU L20



## Specifications (Based on iPDU-M60-3G30-3P30)

| | |
|---|---|
| Input | 220VAC 50/60Hz 20A |
| Output Single Phase | 220VAC1~ 50/60Hz |
| Current Output Per Channel (1~Outputs) | 16A |
| Input Main Circuit Breaker (On/Off Switch) | 20A |
| Single Phase Outlets | 16 x 1 IEC-C13 |
| Current Measurement | 4 groups / 4 channelseach |
| Total Output Power | 4.4kW |

# iPDU L20 Main Chassis Mechanical Outline[2]
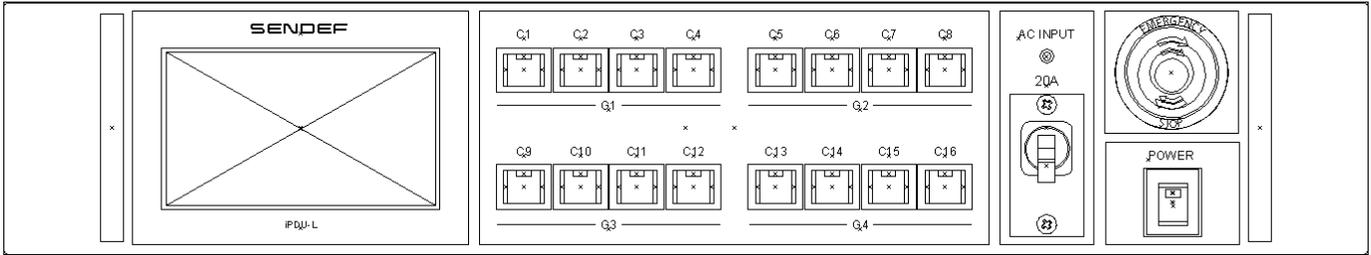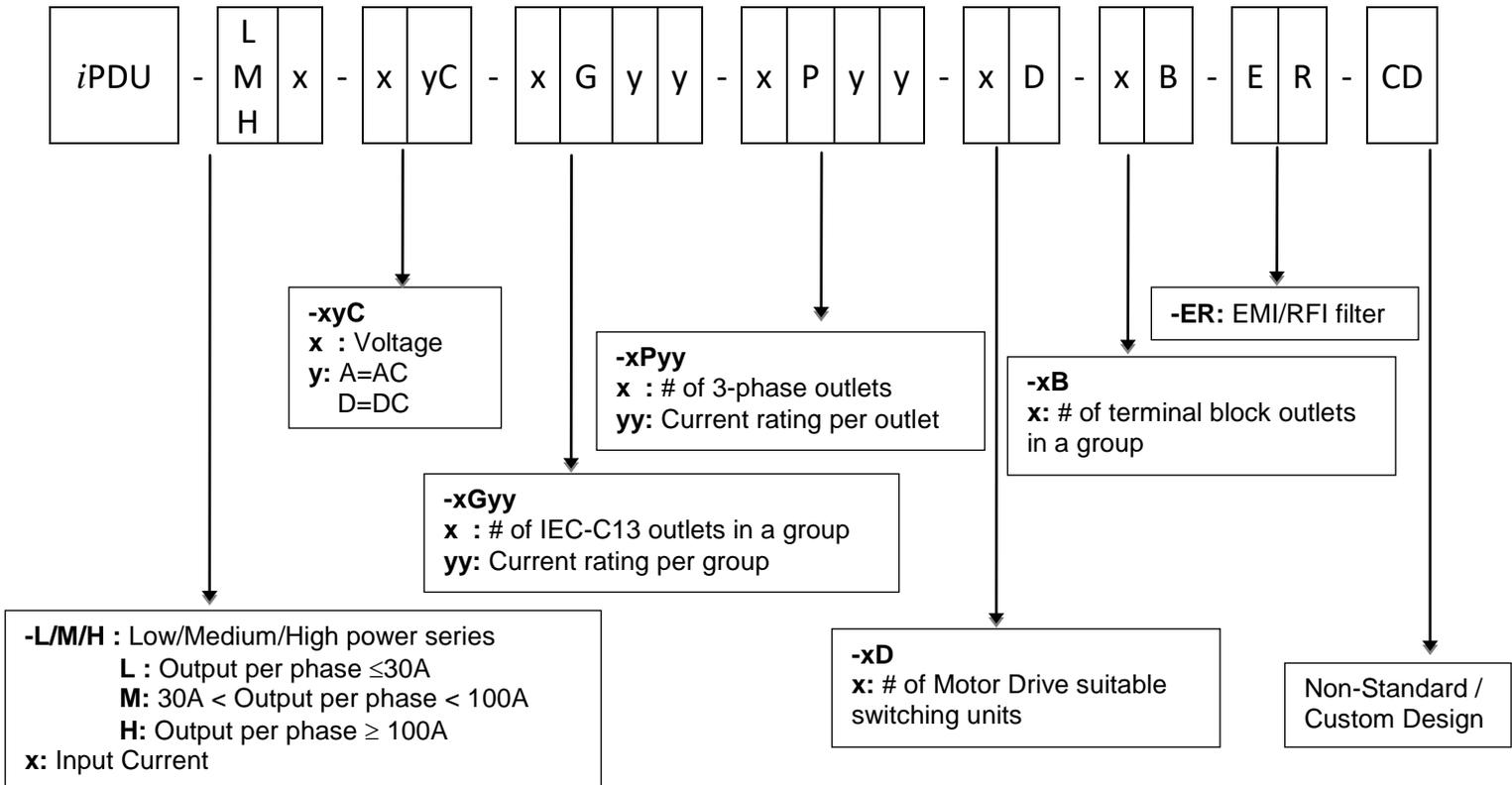


iPDU-L20 Front
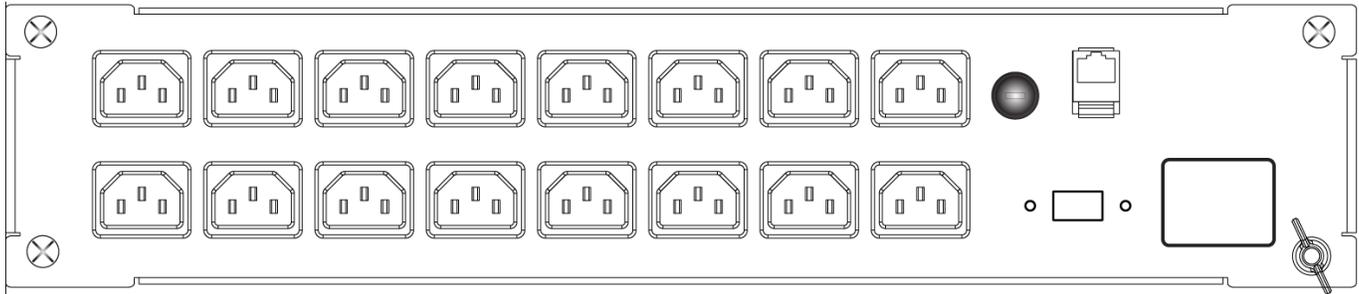


iPDU-L20 Back

**Dimensions:** (Based on iPDU-M60-3G30-3P30)

Front  : 482.6mm x 177.3mm (4U)
Back   : 425mm x 131.5mm
Depth  : 420mm (excluding handles and connectors)

[2] *Drawings are for reference only. Not to scale. The design depends on the model and the options.*

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## iPDU Series Power Distribution Units Part Number Guide

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│ iPDU │-│ L ││ x │-│ x ││ y ││ C │-│ x ││ G ││ y ││ y │-│ x ││ P ││ y ││ y │-│ x ││ D │-│ x ││ B │-│ E ││ R │-│ CD │
│      │ │ M ││   │ │  ││  ││  │ │  ││  ││  ││  │ │  ││  ││  ││  │ │  ││  │ │  ││  │ │  ││  │ │    │
│      │ │ H ││   │ 
└──────┘ └───┘└───┘ 
```

**-xyC**
**x :** Voltage
**y:** A=AC
       D=DC

**-xPyy**
**x  :** # of 3-phase outlets
**yy:** Current rating per outlet

**-ER:** EMI/RFI filter

**-xB**
**x:** # of terminal block outlets in a group

**-xGyy**
**x  :** # of IEC-C13 outlets in a group
**yy:** Current rating per group

**-L/M/H :** Low/Medium/High power series
       **L :** Output per phase ≤30A
       **M:** 30A < Output per phase < 100A
       **H:** Output per phase ≥ 100A
**x:** Input Current

**-xD**
**x:** # of Motor Drive suitable switching units

Non-Standard / Custom Design

*\* Some of the options are mutually exclusive. e.g. a DC unit can not be configured with 3-phase outputs. Please check before ordering.*

```
┌───────┐
│  -RC  │
└───────┘
    │
    ▼
┌──────────────────────┐
│ Remote Control Unit  │
└──────────────────────┘
```
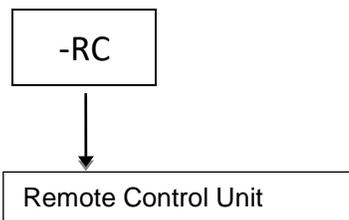
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