# Smart Power Distribution Unit
## Product Code/Part Code: EAM-S642X-DE35EVX

## Specification Sheet:

### Input

| | | |
|---|---|---|
| • | Voltage: | 1Φ, 230-250VAC |
| • | Frequency: | 50 Hz / 60Hz |
| • | Input Plug: | 1Φ, 32Amps, IEC 60309 (P+N+E), 250VAC |
| • | Cord Length: | 3 meter |
| • | Input Current: | 32Amps |

### Output

| | | |
|---|---|---|
| • | Voltage: | 230-250VAC |
| • | Frequency: | 50Hz / 60Hz |
| • | Receptacles Configuration: | ELGO Connector (Receptacles): 42 Nos (C13/C19/C15/C21 as required) |
| • | Current Operating range: | 32Amps |

### Features

- Aggregate Current Monitoring: Monitors the aggregate / Total current flowing through the device.
- Monitors and Tracks Aggregate power consumption.
- Conforms to CLASS 1 metering accuracy.
- Strip/PDU Level Metering of electrical parameters: Voltage (V), Current (I), Energy (kWh) Power (kVA, kW), Power factor (cos Φ) .
- Threshold settings for input current with warning LED on the front panel and Buzzer alarm.
- 1.77" TFT Color LCD to display electrical parameters and PDU information
- Networking: Dual Ethernet Ports –10/100Mbps and 10/100/1000Mbps
- Provision to connect Elcom Make Temperature-Humidity Sensors.
- Hot Swappable Controller.
- Circuit Breaker trip detection
- Firmware upgrade  can be performed through Web Browser
- Swap the Connectors as per desired configuration on-site without the need for downtime for dismantling and reassembling the PDUs.
- Users can change the ELGO connectors (US Patent - 11211756) to make any combinations of C13 and C19 or even upgrade the ELGO connector to C15 (Hot) and C21 (Very Hot) types.

- Total No. of Plug & Play ELGO Connector: 42 Nos
- E-lock provision for Power cord locking.
- Branch Circuit Protection: One (1) X 32A Hydraulic Magnetic Circuit Breaker(A).

**User Interface:**

- Integrates with any DCIM System through SNMP or MODBUS (RTU/ TCP)

**Interface and Protocol Support**

- HTTP, HTTP(s)
- SNMP v1, v2c, v3
- MODBUS RTU & MODBUS TCP
- FTP
- DHCP
- IPV4, IPV6 Support
- Telnet (CLI)
- NTP
- SMTP
- Syslog
- LDAP
- RADIUS
- TACACS+
- TLS 1.2 and above

**Mechanical**

- Dimensions (L x W x H): 1900mm x 65mm x 120.66mm
- Weight: Approx.8.5 Kg
- Mounting: 1593.49mm
- Display/control panel: 1.77" TFT Color Display
- Color: RAL 9005
- Finish: Fine Texture

**Environmental Requirements**

- Operating temperature: 0 – 45°C (Extended up to 60°C)
- Humidity: 0 – 95 % RH non-condensing

**Conformance**
**Environmental Compliance**
- CE

## Product Drawing



**PRODUCT CODE:-** EAM-S642X-DE35EVX  **CATEGORY:-** SMART RACK-PDU

**BASIC DIMENSIONS**

Back View  Front View  Side View

Mounting Button
Mounting Flange

'E'
'F'

HyMag MCB(A), 32A with UL 489 =01 Nos.

6.0 sq.mm 3 core mains cord with 3 Pin Industrial Plug- (cord Length -3.0 Mtr.)

IEC 60309 32A, P+N+E, IP44 Industrial Plug

Bottom View

**Detail-`E'**

ELGO Safety Cap

Depth Details with elgo connector for rack size reference.

35.66
120.66

**Extraction Tool**

IEC C13 Receptacle 10A Max
IEC C15 Receptacle 10A Max
IEC C21 Receptacle 16A Max
IEC C19 Receptacle 16A Max

**Available ELGO Connectors (Receptacles)**

Note : The Standard PDU does not include ELGO connectors. Instead, it is provided with a Safety Cap for protection.
The Safety Cap has to be removed before installing the ELGO connectors.

**Detail-`F'**

Status LED
TFT LCD Display
DN
Enter
Escape
UP
Link1 Rx/Tx 10/100/1000
Sensor Interface
Cascade IN & OUT
Link2 Rx/Tx 10/100
Reset Switch
USB

| REV | IS | WAS | DATE | SIGN | APP. | BY | DATE | SIGN |
|-----|----|----|----|----|----|----|----|----|
| | | | | | APP | 08.06.24 | DPP | |
| | | | | | CHK | 08.06.24 | SSY | |
| | | | | | DRN | 08.06.24 | AKT | |

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| UNSP.TOLERANCE | | | DIMNS. IN mm | WT(Gm) Max. | SCALE:- NTS. | PROJECTION | SHEET | DRAWING NUMBER | | | | | | | REVISION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OVER | - | 1 | 10 | | | | | - | - | - | - | - | - | - | |
| UP TO | 1 | 10 | - | | | | 1 OF 1 | | | | | | | D0 |
| ± | 0.2 | 0.3 | 0.5 | | | | | | | | | | | |

Moulding, plating details as per Bill of Material Unspecified colour is Black, GF:Glass filled.

F:ENG-08.00

Note: Technical specifications are subject to change without prior notice