

# Intelligent PDU, EN1xxx, 400 VAC, 3-PH

## Data Solutions



Modular, compact intelligent PDU with inlet metering. Ultra-Low Profile Design

### FEATURES

Enlogic EN1xxx Intelligent Power Distribution Units monitors input power of the entire PDU, provides billing grade unit level monitoring

High Visibility Data Display and Interactive Graphic Display

Measure circuit breaker loads across redundant feeds to avoid accidental downtime

Enables smart load balancing for power efficiency and maximized capacity utilization

Gigabit Ethernet Interface and redundant Ethernet (10/100)

iPDU DC power redundancy solution for up to 64 PDU's

Toolless Hot-Swap Controller

Input voltage 400 VAC, 3-phase

C13, C19 outlets

### SPECIFICATIONS

Table 1/6

| Catalog Number | Product Family | Type            | Product Type | Socket Type                        | Socket Quantity | Color |
|----------------|----------------|-----------------|--------------|------------------------------------|-----------------|-------|
| EN1403         | Enlogic        | Intelligent PDU | Socket Strip | (36) C13, (6) C19                  | 42              | Black |
| EN1450         | Enlogic        | Intelligent PDU | Socket Strip | (21) C13/C15, (21) C13/C15/C19/C21 | 42              | Black |
| EN1402         | Enlogic        | Intelligent PDU | Socket Strip | (24) C13, (6) C19                  | 30              | Black |
| EN1811         | Enlogic        | Intelligent PDU | Socket Strip | (30) C13, (12) C19                 | 42              | Black |

| CatalogNumber | Product Family | Type            | Product Type | Socket Type                                                     | SocketQuantity | Color |
|---------------|----------------|-----------------|--------------|-----------------------------------------------------------------|----------------|-------|
| EN1850        | Enlogic        | Intelligent PDU | Socket Strip | (24) C13/C15,<br>(24)<br>C13/C15/C19/C<br>21                    | 48             | Black |
| EN1880        | Enlogic        | Intelligent PDU | Socket Strip | (21) Locking<br>C13/C15, (21)<br>Locking<br>C13/C15/C19/C<br>21 | 42             | Black |
| EN1950        | Enlogic        | Intelligent PDU | Socket Strip | (21) C13/C15,<br>(21)<br>C13/C15/C19/C<br>21                    | 42             | Black |
| EN1980        | Enlogic        | Intelligent PDU | Socket Strip | (18) Locking<br>C13/C15, (18)<br>Locking<br>C13/C15/C19/C<br>21 | 36             | Black |
| EN1808        | Enlogic        | Intelligent PDU | Socket Strip | (12) C13, (12)<br>C19                                           | 24             | Black |
| EN1809        | Enlogic        | Intelligent PDU | Socket Strip | (18) C13, (6)<br>C19                                            | 24             | Black |
| EN1812        | Enlogic        | Intelligent PDU | Socket Strip | (36) C13, (12)<br>C19                                           | 48             | Black |

| Table 2/6      |                      |                  |                          |                                                |                    |                      |
|----------------|----------------------|------------------|--------------------------|------------------------------------------------|--------------------|----------------------|
| Catalog Number | Circuit Breaker      | Switched Outlets | Circuit Breaker Quantity | Power Rating                                   | Input Cable Length | Input Cable Location |
| EN1403         | No Circuit Breaker   | No               | 0                        | 11.0 kVA                                       | 3m                 | Top Feed             |
| EN1450         | No Circuit Breaker   | No               | 0                        | 11.5 kVA North America, 11.0 kVA International | 1.8m               | Top Feed             |
| EN1402         | 16 A, 1-pole, Hy-Mag | No               | 0                        |                                                |                    | Top Feed             |
| EN1811         | 16 A, 1-pole, Hy-Mag | No               | 6                        | 22.0 kVA                                       | 3m                 | Top Feed             |
| EN1850         | 20 A, 1-pole, Hy-Mag | No               | 6                        | 17.3 kVA North America, 22.1 kVA International | 1.8m               | Top Feed             |

| CatalogNumber | Circuit Breaker      | Switched Outlets | Circuit Breaker Quantity | Power Rating                                   | Input Cable Length | Input Cable Location |
|---------------|----------------------|------------------|--------------------------|------------------------------------------------|--------------------|----------------------|
| EN1880        | 20 A, 1-pole, Hy-Mag | No               | 6                        | 17.3 kVA North America, 22.1 kVA International | 1.8m               | Top Feed             |
| EN1950        | 20 A, 1-pole, Hy-Mag | No               | 12                       | 34.6 kVA North America, 43.5 kVA International | 1.8m               | Top Feed             |
| EN1980        | 20 A, 1-pole, Hy-Mag | No               | 12                       | 34.6 kVA North America, 43.5 kVA International | 1.8m               | Top Feed             |
| EN1808        | 16 A, 1-pole, Hy-Mag | No               | 6                        |                                                |                    | Top Feed             |
| EN1809        | 16 A, 1-pole, Hy-Mag | No               | 6                        |                                                |                    | Top Feed             |
| EN1812        | 16 A, 1-pole, Hy-Mag | No               | 6                        |                                                |                    | Top Feed             |

Table 3/6

| Catalog Number | Input Voltage | Phase    | Max Power Input | Nominal Voltage | On/Off Switch Included | Output Voltage |
|----------------|---------------|----------|-----------------|-----------------|------------------------|----------------|
| EN1403         | 380 – 415V    | 3 PH     | 11.0 kVA        | 415V            | No                     | 230VAC         |
| EN1450         | 380 – 415V    | 3 PH     | 11.5 / 11.0 kVA | 415V            | No                     | 208 – 230VAC   |
| EN1402         | 400V          | 3 PH WYE | 11.0 kVA        |                 |                        | 200 – 240VAC   |
| EN1811         | 380 – 415V    | 3 PH     | 22.0 kVA        | 415V            | No                     | 230VAC         |
| EN1850         | 380 – 415V    | 3 PH     | 17.3 / 22.1 kVA | 415V            | No                     | 208 – 230VAC   |
| EN1880         | 380 – 415V    | 3 PH     | 17.3 / 22.1 kVA | 415V            | No                     | 208 – 230VAC   |
| EN1950         | 380 – 415V    | 3 PH     | 14.4 kVA        | 415V            | No                     | 208 – 230VAC   |
| EN1980         | 380 – 415V    | 3 PH     | 14.4 kVA        | 415V            | No                     | 208 – 230VAC   |
| EN1808         | 400V          | 3 PH WYE | 22.0 kVA        |                 |                        | 200 – 240VAC   |

| CatalogNumber | Input Voltage | Phase    | Max Power Input | Nominal Voltage | On/Off Switch Included | Output Voltage |
|---------------|---------------|----------|-----------------|-----------------|------------------------|----------------|
| EN1809        | 400V          | 3 PH WYE | 22.0 kVA        |                 |                        | 200 – 240VAC   |
| EN1812        | 400V          | 3 PH WYE | 22.0 kVA        |                 |                        | 200 – 240VAC   |

Table 4/6

| Catalog Number | Amperage (Derated Amperage)                            | Plug Type              | Rack Units | Removable Input Cable | Metering Type | Material |
|----------------|--------------------------------------------------------|------------------------|------------|-----------------------|---------------|----------|
| EN1403         | 16 A                                                   | IEC 60309 516P6 (IP44) | 0U         | No                    | Input         | Steel    |
| EN1450         | 20 A (16 A)<br>North America,<br>16 A<br>International | IEC 60309 520P6/516P6  | 0U         | No                    | Input         | Steel    |
| EN1402         | 16 A                                                   | IEC 60309 516P6 (IP44) | 0U         | No                    | Input         |          |
| EN1811         | 32 A                                                   | IEC 60309 532P6 (IP44) | 0U         | No                    | Input         | Steel    |
| EN1850         | 30 A (24 A)<br>North America,<br>32 A<br>International | IEC 60309 530P6/532P6  | 0U         | No                    | Input         | Steel    |
| EN1880         | 30 A (24 A)<br>North America,<br>32 A<br>International | IEC 60309 530P6/532P6  | 0U         | No                    | Input         | Steel    |
| EN1950         | 60 A (48 A)<br>North America,<br>63 A<br>International | IEC 60309 560P6/563P6  | 0U         | No                    | Input         | Steel    |
| EN1980         | 60 A (48 A)<br>North America,<br>63 A<br>International | IEC 60309 560P6/563P6  | 0U         | No                    | Input         | Steel    |
| EN1808         | 32 A                                                   | IEC 60309 532P6 (IP44) | 0U         | No                    | Input         |          |
| EN1809         | 32 A                                                   | IEC 60309 532P6 (IP44) | 0U         | No                    | Input         |          |
| EN1812         | 32 A                                                   | IEC 60309 532P6 (IP44) | 0U         | No                    | Input         |          |

Table 5/6

| Catalog Number | Finish        | Height | Width | Depth | Weight  | Package Quantity |
|----------------|---------------|--------|-------|-------|---------|------------------|
| EN1403         | Powder Coated | 1750mm | 52mm  | 53mm  | 7.11kg  | 1                |
| EN1450         | Powder Coated | 1490mm | 56mm  | 55mm  | 8kg     | 1                |
| EN1402         |               |        |       |       |         | 1                |
| EN1811         | Powder Coated | 1750mm | 55mm  | 53mm  | 10.22kg | 1                |
| EN1850         | Powder Coated | 1780mm | 56mm  | 55mm  | 10.5kg  | 1                |
| EN1880         | Powder Coated | 1826mm | 56mm  | 55mm  | 11.02kg | 1                |
| EN1950         | Powder Coated | 1826mm | 56mm  | 75mm  | 12.5kg  | 1                |
| EN1980         | Powder Coated | 1826mm | 56mm  | 75mm  |         | 1                |
| EN1808         |               |        |       |       |         | 1                |
| EN1809         |               |        |       |       |         | 1                |
| EN1812         |               |        |       |       |         | 1                |

Table 6/6

| Catalog Number | Interrupt Rating |
|----------------|------------------|
| EN1403         |                  |
| EN1450         |                  |
| EN1402         | 5kAIC            |
| EN1811         |                  |
| EN1850         |                  |

| Catalog Number | Interrupt Rating |
|----------------|------------------|
| EN1880         |                  |
| EN1950         |                  |
| EN1980         |                  |
| EN1808         | 5kAIC            |
| EN1809         | 5kAIC            |
| EN1812         | 5kAIC            |

### ADDITIONAL PRODUCT DETAILS

Please order bracket for vertical mounting separately.

### WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.



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