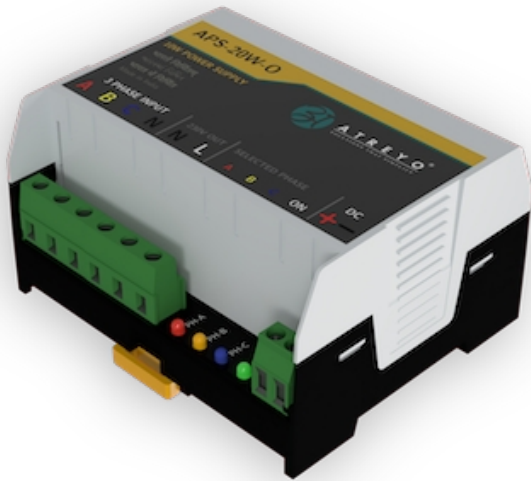


3 phase 20W power supply  
with phase selector output

APS-20W-O



## Features

- Wide input voltage from 85V to 440V
- Work on 3 phase, 2 phase or single phase
- 24/12/5V DC 20W output
- Short circuit protection
- Over Voltage protection
- DIN rail mounting
- Selected phase indicator
- Small size

The APS-20W-O is 20W power supply dedicated to use in application that need continue power source for IoT, Industrial controls, gateways, electrical panel controls etc. Work with single phase to 3 phase connection make ideal for

critical control equipment. This model has extra power 230V phase selector output for powering 230V devices like energy meters etc.

The APS-20W-O is available with 5V, 12V and 24V DC.

| Description                     | Parameter                             |
|---------------------------------|---------------------------------------|
| <b>General</b>                  |                                       |
| Class                           | Class II power supply                 |
| Efficiency                      | Approx 82%                            |
| Cooling                         | Free air convection                   |
| <b>Power Input</b>              |                                       |
| Phase                           | Three, dual and single phase          |
| Voltage between phase and N     | 85-440V AC                            |
| Voltage between phase and phase | 85-440V AC <sup>1</sup>               |
| Connector                       | 4 pin screw terminal block            |
| Protection                      | Every phase fuse and MOV rating 4500A |
| No load consumption             | 0.2W approx.                          |

<sup>1</sup> The supply can work without N in delta connection, but only in versions without phase selector

| Description              | Parameter   |
|--------------------------|---|
| <b>Output</b>            |   |
| Output type              | DC  |
| Voltage                  | 5/12/24V <sup>2</sup>   |
| Power                    | 20W max. When the ambient temperature is <-25°C, or >40°C, the power decreases. |
| Connector                | 2 pin screw terminal block  |
| Over-current protection  | ≥150% I <sub>o</sub> , self-recovery  |
| Overheating protection   | 80°C (±4°C), enter overheating protection                                       |
| Short circuit protection | Long-term short circuit, self-recovery  |
| Voltage accuracy         | ±2.0 %  |
| Load regulation          | ±1.0 %  |

<sup>2</sup> See model selection chart

| Description                        | Parameter                           |
|------------------------------------|-------------------------------------|
| <b>Phase selector</b>              |                                     |
| Priority setting                   | Phase A, phase B, phase C           |
| Maximum load                       | 50W                                 |
| Connector                          | 2 pin screw terminal block          |
| Protection                         | Fuse                                |
| Switching time                     | 200ms                               |
| Load type                          | Not for inductive load              |
| <b>Indicators</b>                  |                                     |
| Phase selector                     | 3 LED for selected phase indication |
| Power ON                           | 1 green LED                         |
| <b>Physical Characteristics</b>    |                                     |
| Installation                       | DIN rail                            |
| Housing                            | ABS                                 |
| Weight                             | 190g                                |
| Dimensions                         | 90mm x 75mm x 50mm                  |
| <b>Environmental Specification</b> |                                     |
| Operating Temp.                    | -25 ~ 50°C (-13 ~ 122°F)            |
| Storage Temp.                      | -40 ~ 85°C (-40 ~ 176°F)            |
| Ambient RH                         | 5% to 95% (non-condensing)          |

**Selected model list**

| Models          | Hardware information |     |     | Extra informations    |
|-----------------|----------------------|-----|-----|-----------------------|
| APS-20W-O       | Output Voltage       |     |     | Phase selector output |
|                 | 5V                   | 12V | 24V |                       |
| APS-20W-O-05    | √                    |     |     | √                     |
| APS-20W-O-12    |                      | √   |     | √                     |
| APS-20W-O-24    |                      |     | √   | √                     |
| APS-20W-O-05-NO | √                    |     |     |                       |
| APS-20W-O-12-NO |                      | √   |     |                       |
| APS-20W-O-24-NO |                      |     | √   |                       |

For more details scan or click on QR code



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