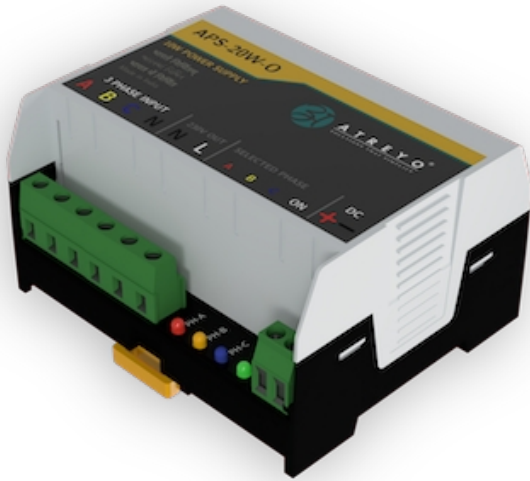


# TECHNICAL SPECIFICATION

**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
- Selected phase indicator
- DIN rail mounting
- Small size

The APS-20W-O is 3 phase 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	Specification
<b>General</b>	
<b>Class</b>	Class II power supply
<b>Efficiency</b>	Approx 82%
<b>Cooling</b>	Free air convection
<b>Power input</b>	
<b>Phase</b>	Three, dual and single phase
<b>Voltage between phase and N</b>	85-440V AC
<b>Voltage between phase and phase</b>	85-440V AC <sup>1</sup>
<b>Connector</b>	4 pin screw terminal block
<b>Protection</b>	Every phase fuse and MOV rating 4500A

Description	Specification
<b>Power input</b>	
<b>No load consumption</b>	TBD
<b>Output</b>	
<b>Output type</b>	DC
<b>Voltage</b>	5/12/24V <sup>2</sup>
<b>Power</b>	20W max. When the ambient temperature is <-25°C, or >40°C, the power decreases.
<b>Connector</b>	2 pin screw terminal block
<b>Over-current protection</b>	≥150% I <sub>o</sub> , self-recovery
<b>Short circuit</b>	Long-term short circuit, self-

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

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

Description	Specification
<b>Output</b>	
<b>protection</b>	recovery
<b>Overheating protection</b>	80°C (±4°C), enter overheating protection
<b>Voltage accuracy</b>	±2.0 %
<b>Line regulation</b>	±1 %
<b>Load regulation</b>	±3 %
<b>Phase selector</b>	
<b>Priority setting</b>	Phase A, phase B, phase C
<b>Maximum load</b>	100W
<b>Connector</b>	2 pin screw terminal block
<b>Protection</b>	Fuse
<b>Switching time</b>	200ms
<b>Load type</b>	Not for inductive load

Description	Specification
<b>Indicators</b>	
<b>Phase selector</b>	3 LED for selected phase indication
<b>Power ON</b>	1 green LED
<b>Physical characteristics</b>	
<b>Installation</b>	DIN rail
<b>Housing</b>	ABS
<b>Weight</b>	190g
<b>Dimensions</b>	90mm x 75mm x 50mm
<b>Environmental specification</b>	
<b>Operating Temp.</b>	-25 ~ 70°C (-13 ~ 158°F)
<b>Storage Temp.</b>	-40 ~ 85°C (-40 ~ 176°F)
<b>Ambient RH</b>	5% to 95% (non-condensing)

### Standard model list

These are models in regular production. Other models are only made on order with a minimum order quantity. Please [contact us](#) if you require a custom order.

Model	Hardware options				More information
	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			✓		

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