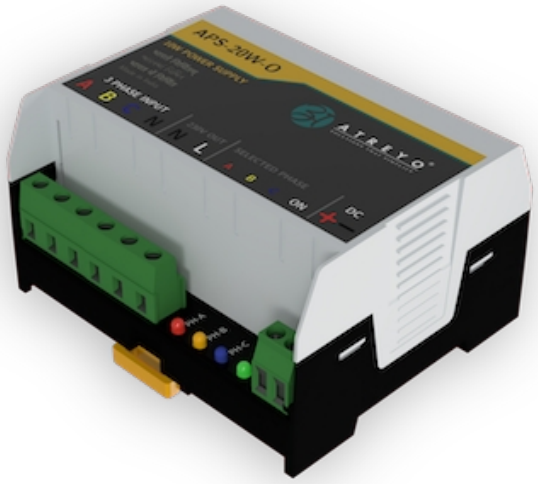
TECHNICAL SPECIFICATION

ATREYO®
SOLUTIONS THAT SIMPLIFY

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 indictor**
- **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
General	
Class	Class II power supply
Efficiency	Approx 82%
Cooling	Free air convection
Power input	
Phase	Three, dual and single phase
Voltage between phase and N	85-440V AC
Voltage between phase and phase	85-440V AC[1]
Connector	4 pin screw terminal block
Protection	Every phase fuse and MOV rating 4500A

Description	Specification
Power input	
No load consumption	TBD
Output	
Output type	DC
Voltage	5/12/24V[2]
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% Io, self-recovery
Short circuit	Long-term short circuit, self-

1 The supply can work without N in delta connection, but only in versions without phase selector
2 See model selection chart

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

Description	Specification
Indicators	
Phase selector	3 LED for selected phase indication
Power ON	1 green LED
Physical characteristics	
Installation	DIN rail
Housing	ABS
Weight	190g
Dimensions	90mm x 75mm x 50mm
Environmental specification	
Operating Temp.	-25 ~ 70°C (-13 ~ 158°F)
Storage Temp.	-40 ~ 85°C (-40 ~ 176°F)
Ambient RH	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
APS-10W-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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