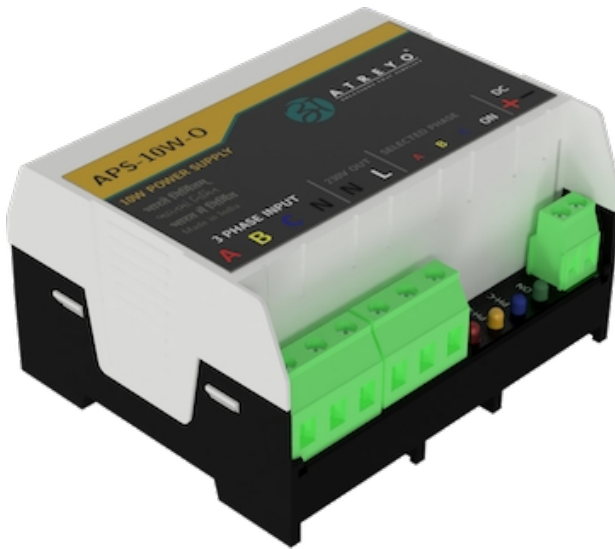


TECHNICAL SPECIFICATION

3 phase 10W power supply
with phase selector output

APS-10W-O



Features

- Wide input voltage from 85V to 440V
- Work on 3 phase, 2 phase or single phase
- 24/12/5V DC 10W output
- Short circuit protection
- Over Voltage protection
- DIN rail mounting
- Selected phase indicator
- Small size

The APS-10W-O is 3 phase 10W 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-10W-O is available with 5V, 12V and 24V DC.

Description	Parameter
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	85-400V AC ¹
Connector	4 pin screw terminal block
Protection	Every phase fuse and MOV rating 4500A
No load consumption	TBD

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

Description	Parameter
Output	
Output type	DC
Voltage	5/12/24V ²
Power	10W max.
Connector	2 pin screw terminal block
Over-current protection	≥110% I _o , self-recovery
Short circuit protection	Hiccup, continuous, self-recovery and output fuse
ESD protection	15kV
Voltage accuracy	±5.0 %
Line regulation	±1.5 %
Load regulation	±3 %
Phase selector	
Priority setting	Phase A, phase B, phase C

² See model selection chart

Description	Parameter
Maximum load	50W
Connector	2 pin screw terminal block
Protection	Fuse
Switching time	200ms
Load type	Not for inductive load
Indicators	
Phase selector	3 LED for selected phase indication
Power ON	1 green LED
Physical Characteristics	
Installation	DIN rail

Description	Parameter
Physical Characteristics	
Housing	ABS
Weight	130g
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)

Selected model list

Models	Hardware information			Phase selector output
	Output Voltage			
	5V	12V	24V	
APS-10W-O-05	√			√
APS-10W-O-12		√		√
APS-10W-O-24			√	√
APS-10W-O-05-NO	√			
APS-10W-O-12-NO		√		
APS-10W-O-24-NO			√	

For more details
scan or click on
QR code



Copyright

Copyright © 2024 Atreyo Research and Development LLP. This technical specification is protected under national and international copyright laws. No part of this user manual may be reproduced, distributed, translated, or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or storing in any information storage and retrieval system, without the prior written permission of Atreyo Research and Development LLP. Copy or use any part of this specifications is prohibited without the prior written permission from the Atreyo Research and Development LLP. Atreyo Research and Development LLP shall not unreasonably withhold or deny such consent but shall be entitled to receive additional equitable remuneration in connection with its grant of consent.

Trademarks

Atreyo and the Atreyo logo are registered trademarks of Atreyo Research and Development LLP.

All other trademarks and copyrights are the property of their respective owners.

Disclaimer

- All dimensions mentioned in the drawings are not to scale and may vary/differ due to construction contingencies and site conditions which are subject to change as may be decided by the company.
- The specifications and amenities mentioned in this document and promotional documents are only representational and informative. The descriptions in this specification are based on the default configuration of your device.
- Images used in this specification may differ in appearance from the actual product.
- The Atreyo Research and Development LLP reserves rights to make additions, deletions, alterations or amendments as and when it deems fit and proper, without any prior notice.

**Atreyo Research
& Development LLP**

**+91 9727741417
info@atreyo.in**

414, Sunrise Mall, Mansi Circle,
Vastrapur
Ahmedabad 380015, India