
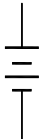


24V DC 10A/20A Din Rail Switch Power Supply

Sheet No.	Component /Detail	Description
1	Drawing Guide	Switch Power Supply Battery Backup Drawing Guide
2	General Arrangement -UPS	Switch Power Supply Battery Backup Drawing Guide
3	General Arrangement -Battery Pack	Switch Power Supply Battery Backup Drawing Guide
4	UPS & Battery Pack connection details	Switch Power Supply Battery Backup Drawing Guide
5	System One Line Diagram	Switch Power Supply Battery Backup Drawing Guide

LEGEND	
SYMBOL	DESCRIPTION
	Mosfet SWITCH
	BATTERY

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.



TITLE: Din Rail Switch Power Supply  
INPUT: 24V DC, 10A/24V DC, 20A  
OUTPUT POWER: 240W/480W  
DRAWING GUIDE

DWG NO: BVS240-480XDPDR+XB005XPDR

REV. 1

DRAWN: JAYAPRAKASH 02-NOV-21

ANGLE

ENGINEER: MOHAN 02-NOV-21

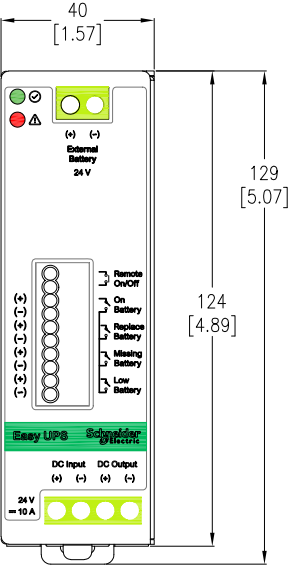
PROJECTION

PROJECT: SUBMITTAL DRAWING SHEET 1 OF 5

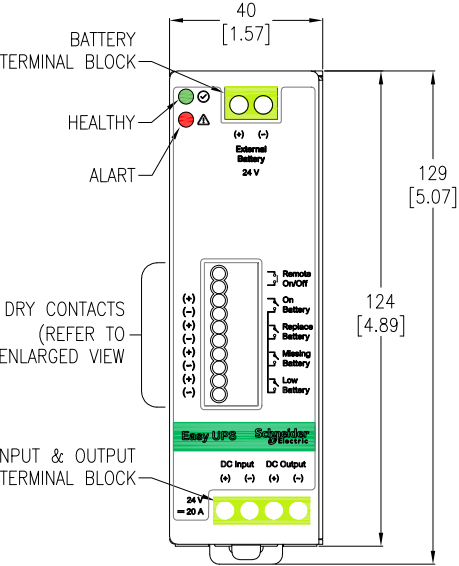
APPROVED: M LIPARE 02-NOV-21

N.A

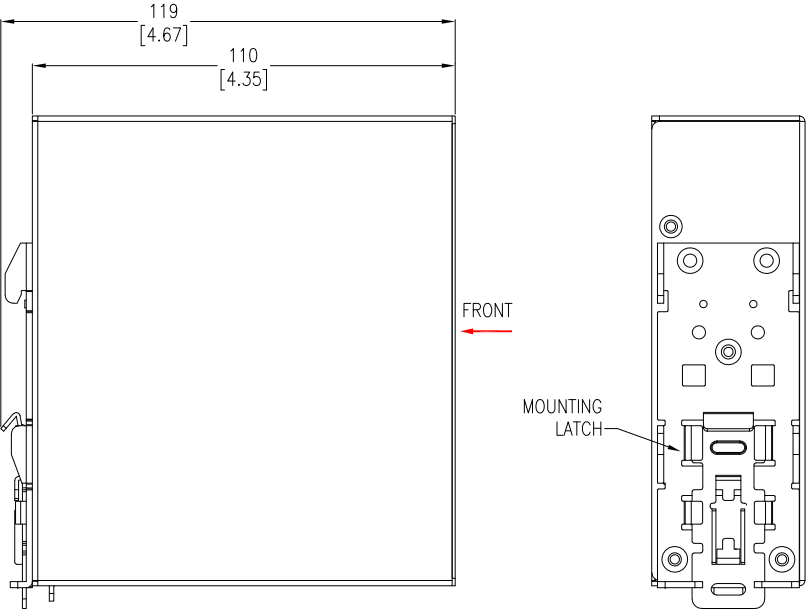
UPS: BVS480XDPDR



UPS-240W  
FRONT VIEW

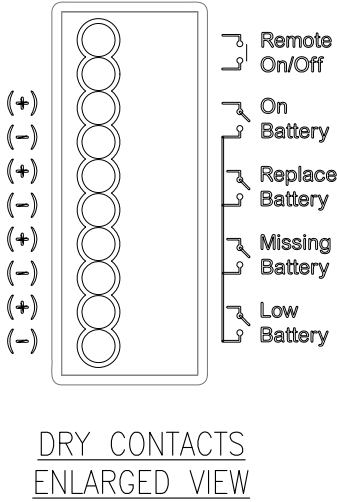


UPS-480W  
FRONT VIEW

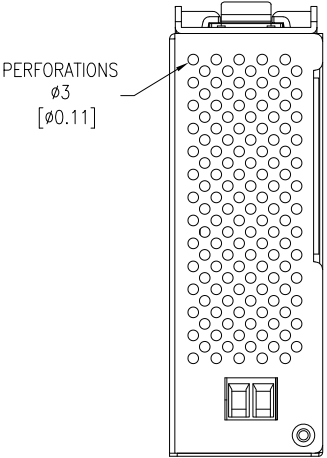


SIDE VIEW

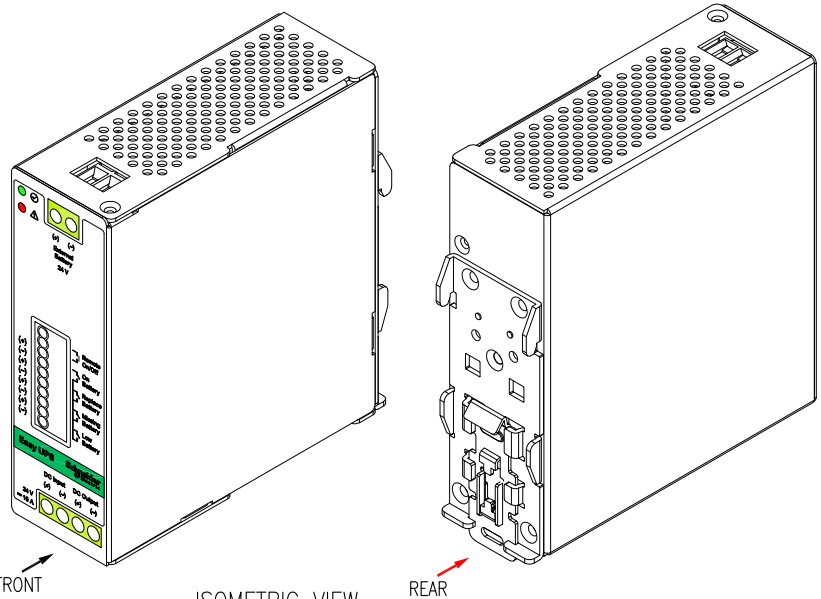
REAR VIEW



DRY CONTACTS  
ENLARGED VIEW



TOP VIEW



ISOMETRIC VIEW

- NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL ELECTRICAL REGULATIONS.
  2. REFER TO PRODUCT MANUALS FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
  3. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].
  4. SKU# AND NET WEIGHT OF THE UNIT: BVS240XDPDR/BVS480XDPDR IS 0.5kg [1.10 lb].
  5. PROTECTION- IP:20.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.



TITLE: Din Rail Switch Power Supply  
INPUT: 24V DC, 10A/24V DC, 20A  
OUTPUT POWER: 240W/480W  
GENERAL ARRANGEMENT-UPS

PROJECT: SUBMITTAL DRAWING SHEET 2 OF 5

DWG NO: BVS240-480XDPDR+XB005XPDR

DRAWN: JAYAPRAKASH 02-NOV-21

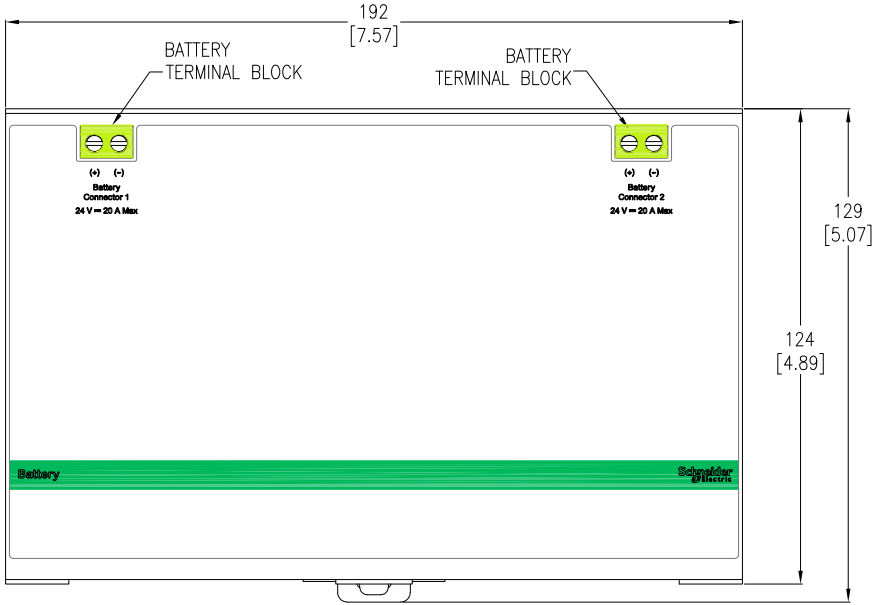
ENGINEER: MOHAN 02-NOV-21

APPROVED: M LIPARE 02-NOV-21

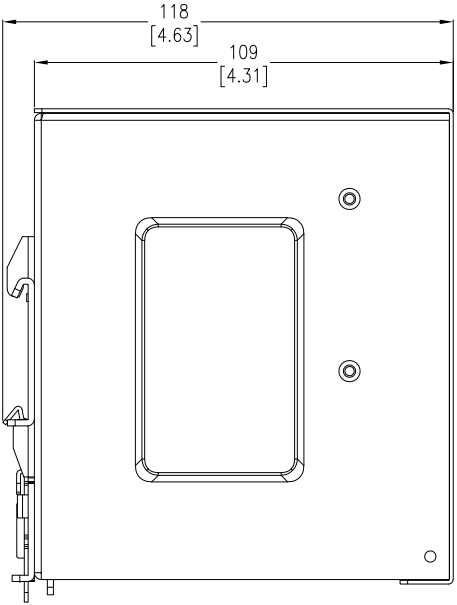
REV. 1

FIRST  
ANGLE  
PROJECTION

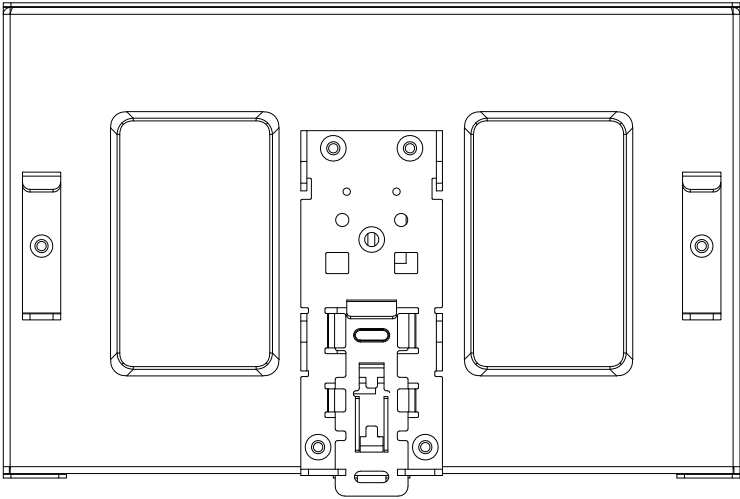
BATTERY PACK: XB005XPDR



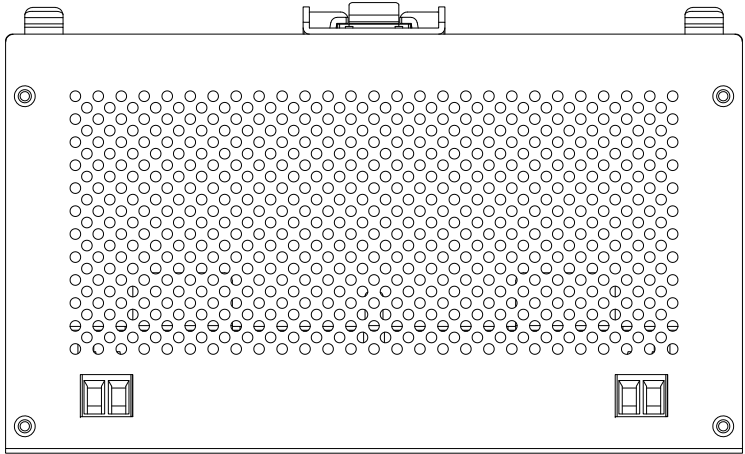
FRONT VIEW



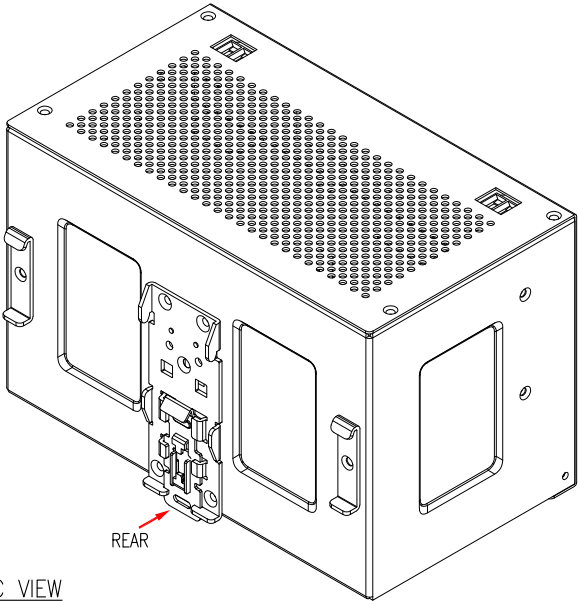
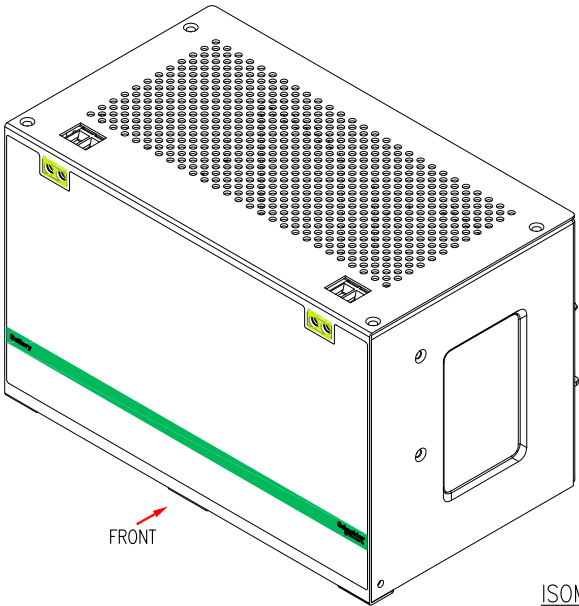
SIDE VIEW



REAR VIEW



TOP VIEW



ISOMETRIC VIEW

- NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL ELECTRICAL REGULATIONS.
  2. REFER TO PRODUCT MANUALS FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
  3. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].
  4. NET WEIGHT OF THE UNIT: 6 kg [13.22 lb].
  5. PROTECTION- IP:20.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

**Schneider  
Electric**

TITLE: Din Rail Switch Power Supply  
INPUT: 24V DC, 10A/24V DC, 20A  
OUTPUT POWER: 240W/480W  
GENERAL ARRANGEMENT-BATTERY PACK

PROJECT: SUBMITTAL DRAWING SHEET 3 OF 5

DWG NO: BVS240-480XPDR+XB005XPDR

DRAWN: JAYAPRAKASH 02-NOV-21

ENGINEER: MOHAN 02-NOV-21

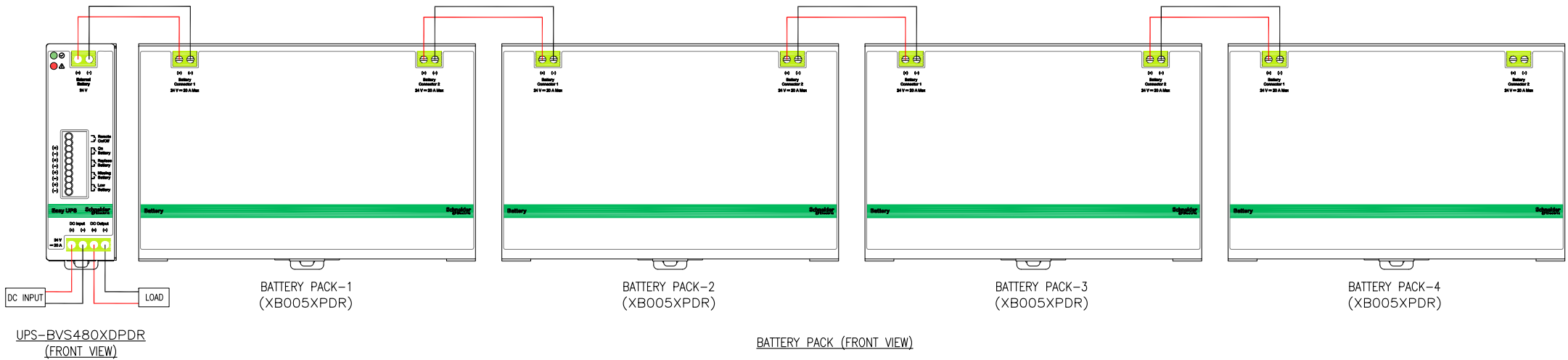
APPROVED: M LIPARE 02-NOV-21

REV. 1

FIRST  
ANGLE  
PROJECTION

UPS+BATTERY PACK: BVS480XDPDR+XB005XPDR

(BVS480XDPDR SHOWN FOR ILLUSTRATION)



- NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL ELECTRICAL REGULATIONS.
  2. REFER TO PRODUCT MANUALS FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
  3. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].
  4. MAINTAIN MINIMUM POSSIBLE DISTANCE BETWEEN UPS TO BATTERY PACK AND BETWEEN BATTERY PACKS.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.



TITLE: Din Rail Switch Power Supply  
INPUT: 24V DC, 10A/24V DC, 20A  
OUTPUT POWER: 240W/480W  
UPS & BATTERY PACK CONNECTION DETAILS

PROJECT: SUBMITTAL DRAWING SHEET 4 OF 5

DWG NO: BVS240-480XDPDR+XB005XPDR

DRAWN: JAYAPRAKASH 02-NOV-21

ENGINEER: MOHAN 02-NOV-21

APPROVED: M LIPARE 02-NOV-21

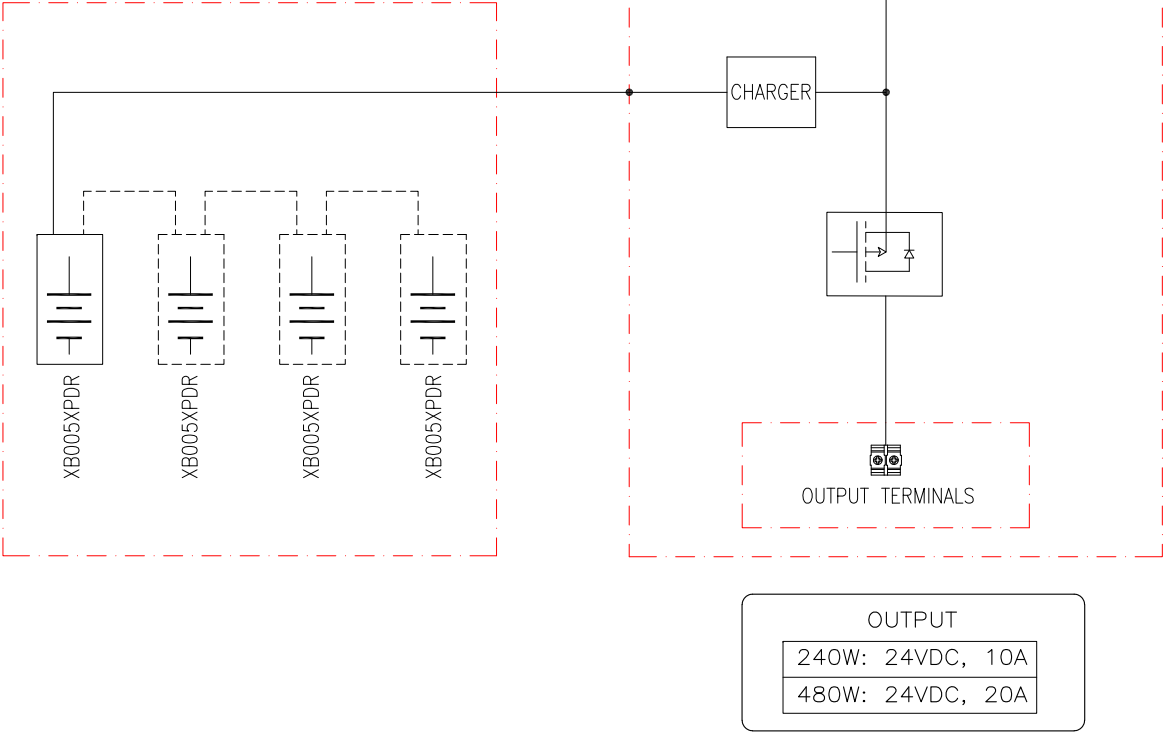
REV. 1

FIRST  
ANGLE  
PROJECTION

Technical Data		
Input (DC)	240W	480W
Nominal input voltage	24VDC	
Voltage range	21.6 - 28.6 VDC	
Nominal current	10A	20A
Input over current/Short circuit protection	32V/30A	
Output (DC)		
Nominal output voltage	24VDC	
Output current	10A	20A
Output over current limit	<13A	
Short circuit protection	Yes	
Overload protection	>10.5A Auto recovery	
Over temperature protection	NTC=95°C Auto recovery	

UPS output	Recommended wire size
240W (24VDC, 10A)	14 AWG (1.5mm <sup>2</sup> )
480W (24VDC, 20A)	12 AWG (2.5mm <sup>2</sup> )
Use 26 AWG wire for Dry contacts	

  
EXTERNAL BATTERY PACK  
(SEALED MAINTENANCE FREE BATTERY)



- NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL ELECTRICAL REGULATIONS.
  2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
  3. DRAWING DEPICTS POWER SYSTEM CONNECTIONS AND IS NOT REPRESENTATIVE OF PHYSICAL LAYOUT. PLEASE REFER TO MECHANICAL DRAWINGS FOR MORE SPECIFIC PHYSICAL DATA.
  - △ 4. UP TO 4 EXTERNAL BATTERY PACKS CAN BE CONNECTED TO UPS DEPENDING ON RUNTIME REQUIREMENT.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.



TITLE: Din Rail Switch Power Supply  
INPUT: 24V DC, 10A/24V DC, 20A  
OUTPUT POWER: 240W/480W  
SYSTEM ONELINE DIAGRAM

PROJECT: SUBMITTAL DRAWING SHEET 5 OF 5

DWG NO: BVS240-480XPDR+XB005XPDR

DRAWN: JAYAPRAKASH 02-NOV-21

ENGINEER: MOHAN 02-NOV-21

APPROVED: M LIPARE 02-NOV-21

REV. 1

ANGLE

PROJECTION

△