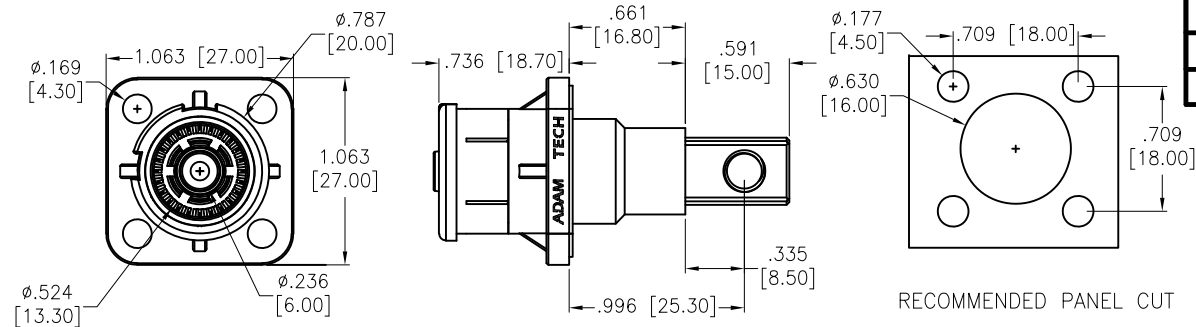


APPROVED: _____

DATE: _____ TITLE: _____

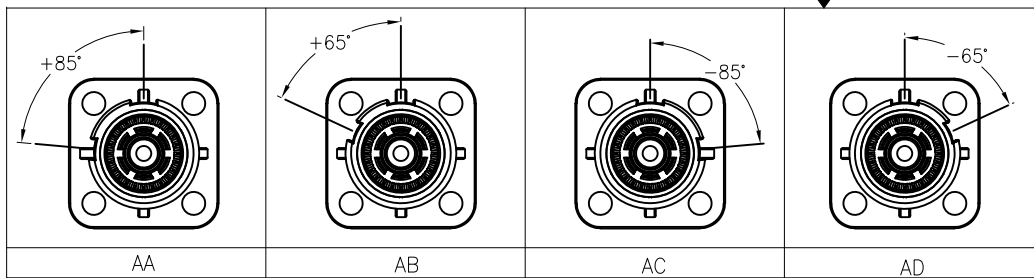


RECOMMENDED PANEL CUT

ADAM TECH P/N:	Compatible Dust Cover (Sold Separately)
ESF-090A02-XXXXXX	ESF-DC1
ESF-120A02-XXXXXX	

ESF-XXXXA02-XXXXXX	Terminal Type See Chart 010~052
Universal model: 090A, 120A	Housing Color: O=Orange B=Black
Key Options	

010	020	030	040	051/052
M6x1.0	M5x0.8	M6x1.0	$\phi 5.0$	
Threaded Hole Type	Busbar type (Threaded Hole)	Screw Post type	Busbar type (Through Hole)	Crimp type



Number	Terminal	Specification	Universal model
010	Threaded Hole	M6x1.0 Thread	
020	Busbar (Threaded Hole)	M5x0.8 Thread	
030	Screw Post	M6x1.0 Thread	
040	Busbar (Through Hole)	$\phi 5.0$ Dia. Hole	
051	Crimp ADAM/PN: (ESF-120A02-XX051)	AWG American wire gauge	120A
		Wire standard: 4 AWG	
		Strand outer diameter: $\phi 6.47$ Max	
		O.D (Outside Diameter): $\phi 9.50$ Max	
052	Crimp ADAM/PN: (ESF-090A02-XX052)	International Wire Gauge	090A
		Wire standard: 25mm ²	
		Strand outer diameter: $\phi 7.20$ Max	
		O.D (Outside Diameter): $\phi 9.80$ Max	
052	Crimp ADAM/PN: (ESF-090A02-XX052)	AWG American wire gauge	090A
		Wire standard: 6 AWG	
		Strand outer diameter: $\phi 5.20$ Max	
		O.D (Outside Diameter): $\phi 8.50$ Max	
052	Crimp ADAM/PN: (ESF-090A02-XX052)	International Wire Gauge	090A
		Wire standard: 16mm ²	
		Strand outer diameter: $\phi 5.80$ Max	
052	Crimp ADAM/PN: (ESF-090A02-XX052)	AWG American wire gauge	090A
		Wire standard: 16mm ²	
052	Crimp ADAM/PN: (ESF-090A02-XX052)	International Wire Gauge	090A
		Strand outer diameter: $\phi 5.80$ Max	
052	Crimp ADAM/PN: (ESF-090A02-XX052)	AWG American wire gauge	090A
		Wire standard: 16mm ²	
052	Crimp ADAM/PN: (ESF-090A02-XX052)	International Wire Gauge	090A
		Strand outer diameter: $\phi 5.80$ Max	

SPECIFICATIONS:

Connector:

Housing: PA66, Glass reinforced, rated UL 94V-0
Housing color: Orange/Black
Cap: PA66, Glass reinforced, rated UL 94V-0
Gasket: Silicone
Contact: Pure Red Copper, Silver plated Surface
Electrical:

Voltage rating: 1000VDC

Current rating: 90A/120A

Contact resistance: 0.5 mohms max

Insulation resistance: 1,000 Mohms min

Dielectric withstanding voltage: 3,800VDC

Mechanical:

Durability: 500 cycles

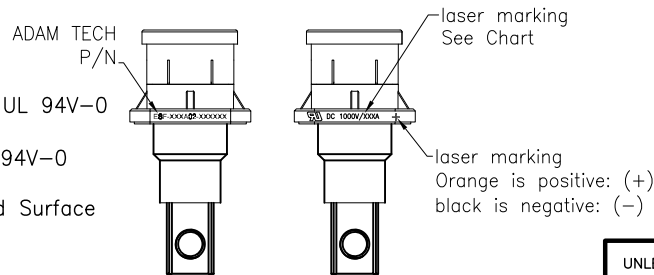
Overvoltage Category/Pollution Degree: CATIII/3

Temperature Rating: -40°C to +125°C

Environmental:

Waterproof: IP67 (Mating)

Lead free, RoHS compliant



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES [MM]. TOLERANCES: EXCEPT AS NOTED			
INCHES		HOLES	
.X	$\pm .10$	$\phi .X$	$\pm .10$
.XX	$\pm .020$	$\phi .XX$	$\pm .015$
.XXX	$\pm .015$	$\phi .XXX$	$\pm .010$

DRAWN	WX	12/18/23
CHECKED	CK	12/18/23
APPROVED		

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ADAM TECH

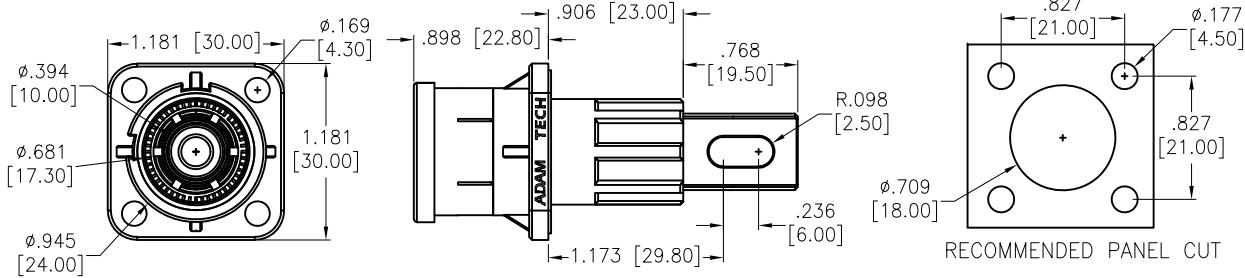
909 Rahway Avenue,
Union, NJ 07083
Phone: 908-687-5000
Fax: 908-687-5710

TITLE			
ENERGY STORAGE CONNECTOR, FEMALE			
SIZE X	PART NO. ESF-XXXXA02-XXXXXX	REV. E	
REF:	S00005C	SCALE: NTS	SHEET 1 OF 3

APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
SEE SHT 1 OF 3 FOR REVISION				



ADAM TECH P/N:	Compatible Dust Cover (Sold Separately)
ESF-200A02-XXXXXX	ESF-DC2
ESF-250A02-XXXXXX	

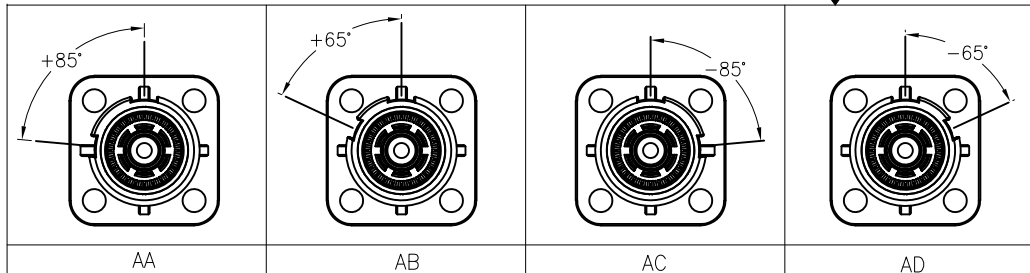
Universal model: 200A, 250A

ESF-XXA02-XXXXXX Terminal Type
See Chart
010~052

Key Options

Housing Color:
O=Orange
B=Black

010	020	030	040	051/052
M6x1.0	M8x1.25	M6x1.0	ø5.0	
Threaded Hole	Busbar (Threaded Hole)	Screw Post	Busbar (Through Hole)	Crimp Type



Number	Terminal	Specification	Universal model
010	Threaded Hole	M6x1.0 Thread	
020	Busbar (Threaded Hole)	M8x1.25 Thread	
030	Screw Post	M6x1.0 Thread	
040	Busbar (Through Hole)	ø5.0 Dia. Hole	
051	Crimp ADAM/PN: (ESF-200A02-XX051)	AWG American wire gauge	200A
		Wire standard: 1/0 AWG	
		Strand outer diameter: ø10.3 Max	
		O.D (Outside Diameter): ø14.2 Max	
052	Crimp ADAM/PN: (ESF-250A02-XX052)	International Wire Gauge	250A
		Wire standard: 50mm ²	
		Strand outer diameter: ø10.2 Max	
		O.D (Outside Diameter): ø13.5 Max	
052	Crimp ADAM/PN: (ESF-250A02-XX052)	AWG American wire gauge	250A
		Wire standard: 2/0 AWG	
		Strand outer diameter: ø11.6 Max	
		O.D (Outside Diameter): ø15.1 Max	
052	Crimp ADAM/PN: (ESF-250A02-XX052)	International Wire Gauge	250A
		Wire standard: 70mm ²	
052	Crimp ADAM/PN: (ESF-250A02-XX052)	International Wire Gauge	250A
		Strand outer diameter: ø12.2 Max	
052	Crimp ADAM/PN: (ESF-250A02-XX052)	International Wire Gauge	250A
		O.D (Outside Diameter): ø15.5 Max	

SPECIFICATIONS:

Connector:

Housing: PA66, Glass reinforced, rated UL 94V-0

Housing color: Orange/Black

Cap: PA66, Glass reinforced, rated UL 94V-0

Gasket: Silicone

Contact: Pure Red Copper, Silver plated Surface

Electrical:

Voltage rating: 1500VDC

Current rating: 200A/250A

Contact resistance: 0.5 mohms max

Insulation resistance: 1,000 Mohms min

Dielectric withstanding voltage: 6,800VDC

Mechanical:

Durability: 500 cycles

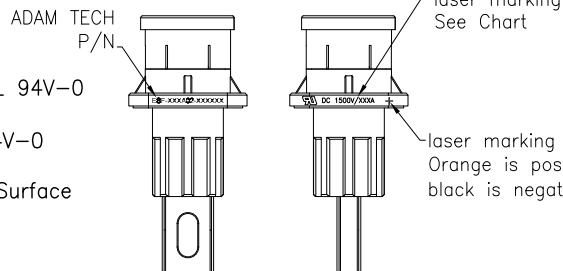
Overvoltage Category/Pollution Degree: CATIII/3

Temperature Rating: -40°C to +125°C

Environmental:

Waterproof: IP67 (Mating)

Lead free, RoHS compliant



laser marking
See Chart

laser marking
Orange is positive: (+)
black is negative: (-)

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS
ARE INCHES [MM]. TOLERANCES: EXCEPT AS NOTED

INCHES	HOLES
.X ±.10	ø.X ±.10
.XX ±.020	ø.XX ±.015
.XXX ±.015	ø.XXX ±.010

DRAWN	WX	12/18/23
CHECKED	CK	12/18/23
APPROVED		

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**ADAM
TECH**

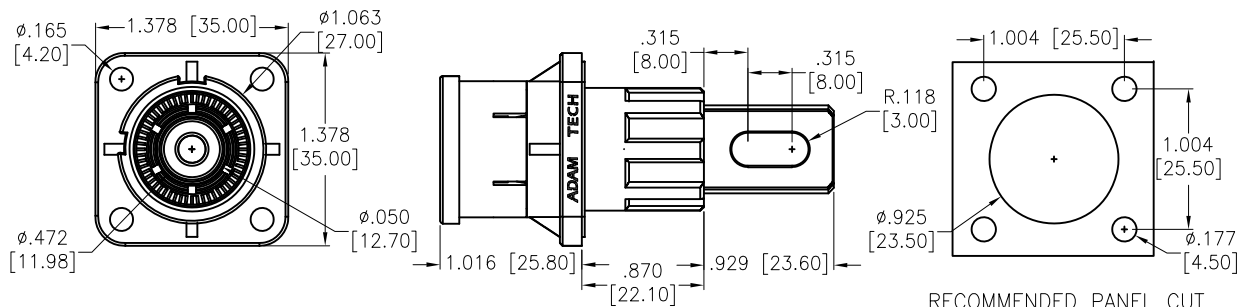
909 Rahway Avenue,
Union, NJ 07083
Phone: 908-687-5000
Fax: 908-687-5710

TITLE ENERGY SORAGE CONNECTOR, FEMALE		
SIZE X	PART NO. ESF-XXA02-XXXXXX	REV. E
REF: S00005C	SCALE: NTS	SHEET 2 OF 3

APPROVED: _____

DATE: _____ TITLE: _____

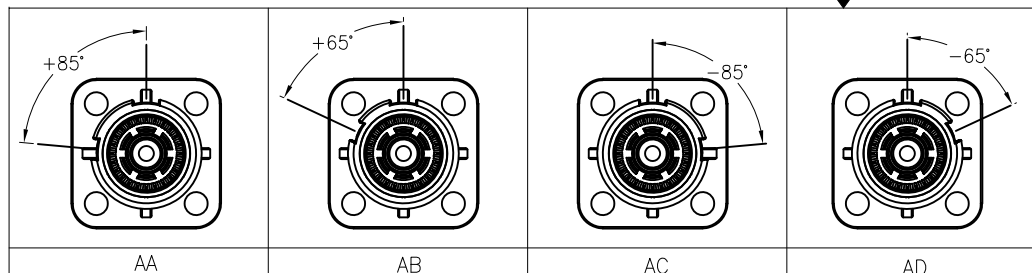
Rev	AWO #	Description	Date	Appr
SEE SHT 1 OF 3 FOR REVISION				



ADAM TECH P/N:	Compatible Dust Cover (Sold Separately)
ESF-300A02-XXXXXX	ESF-DC3
ESF-350A02-XXXXXX	

ESF-XXXX02-XXXXXX	Terminal Type See Chart 010~052
Universal model: 350A, 300A	Housing Color: O=Orange B=Black
Key Options	

010	020	030	040	051/052
M6x1.0	M8x1.25	M8x1.25	$\phi 6.0$	
Threaded Hole	Busbar (Threaded Hole)	Screw Post	Busbar (Through Hole)	Crimp Type



Number	Terminal	Specification	Universal model
010	Threaded Hole	M6x1.0 Thread	
020	Busbar (Threaded Hole)	M8x1.25 Thread	
030	Screw Post	M8x1.25 Thread	
040	Busbar (Through Hole)	$\phi 6.0$ Dia. Hole	
051	Crimp ADAM/PN: (ESF-350A02-XX051)	AWG American wire gauge Wire standard: 4/0 AWG Strand outer diameter: $\phi 14.7$ Max O.D (Outside Diameter): $\phi 18.5$ Max	350A
052	Crimp ADAM/PN: (ESF-300A02-XX052)	International Wire Gauge Wire standard: 95mm ² Strand outer diameter: $\phi 14.2$ Max O.D (Outside Diameter): $\phi 17.6$ Max	300A

SPECIFICATIONS:

Connector:

Housing: PA66, Glass reinforced, rated UL 94V-0

Housing color: Orange/Black

Cap: PA66, Glass reinforced, rated UL 94V-0

Gasket: Silicone

Contact: Pure Red Copper, Silver plated Surface

Electrical:

Voltage rating: 1500VDC

Current rating: 300A/350A

Contact resistance: 0.5 mohms max

Insulation resistance: 1,000 Mohms min

Dielectric withstanding voltage: 6,800VDC

Mechanical:

Durability: 500 cycles

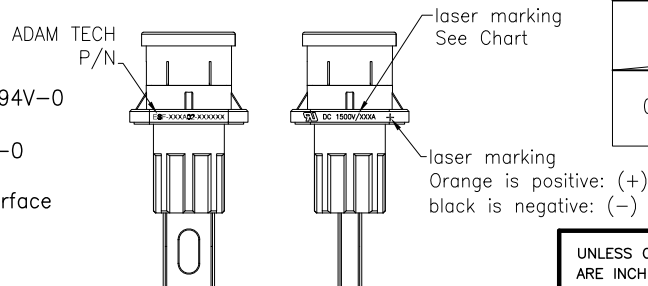
Overvoltage Category/Pollution Degree: CATIII/3

Temperature Rating: -40°C to +125°C

Environmental:

Waterproof: IP67 (Mating)

Lead free, RoHS compliant



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES [MM]. TOLERANCES: EXCEPT AS NOTED

INCHES	HOLES
.X $\pm .10$	$\phi .X \pm .10$
.XX $\pm .020$	$\phi .XX \pm .015$
.XXX $\pm .015$	$\phi .XXX \pm .010$

DRAWN	WX	12/18/23
CHECKED	CK	12/18/23
APPROVED		

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ADAM TECH

909 Rahway Avenue,
Union, NJ 07083
Phone: 908-687-5000
Fax: 908-687-5710

TITLE ENERGY STORAGE CONNECTOR, FEMALE			REV. E
SIZE X	PART NO. ESF-XXXXA02-XXXXXX		
REF:	S00005C	SCALE: NTS	SHEET 3 OF 3

Mouser Electronics

Authorized Distributor

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<u>ESF-090A02-AAO040</u>	<u>ESF-090A02-ADB040</u>	<u>ESF-200A02-ADO020</u>	<u>ESF-300A02-ADO040</u>	<u>ESF-090A02-ADO020</u>
<u>ESF-200A02-ADB040</u>	<u>ESF-200A02-ADO040</u>	<u>ESF-300A02-ADB020</u>	<u>ESF-090A02-ADO040</u>	<u>ESF-200A02-AAB020</u>
<u>ESF-120A02-AAB020</u>	<u>ESF-120A02-ADO040</u>	<u>ESF-250A02-AAB020</u>	<u>ESF-300A02-AAO040</u>	<u>ESF-350A02-AAO020</u>
<u>ESF-090A02-AAO020</u>	<u>ESF-250A02-AAB040</u>	<u>ESF-250A02-AAO040</u>	<u>ESF-300A02-AAB020</u>	<u>ESF-300A02-ADO020</u>
<u>ESF-350A02-AAB020</u>	<u>ESF-090A02-AAB020</u>	<u>ESF-120A02-AAB040</u>	<u>ESF-200A02-AAO020</u>	<u>ESF-350A02-AAB040</u>
<u>ESF-350A02-AAO040</u>	<u>ESF-300A02-AAO020</u>	<u>ESF-120A02-ADB040</u>	<u>ESF-250A02-ADO040</u>	<u>ESF-090A02-ADB020</u>
<u>ESF-200A02-AAO040</u>	<u>ESF-250A02-AAO020</u>	<u>ESF-120A02-ADO020</u>	<u>ESF-250A02-ADB020</u>	<u>ESF-350A02-ADB040</u>
<u>ESF-350A02-ADO020</u>	<u>ESF-120A02-ADB020</u>	<u>ESF-090A02-AAB040</u>	<u>ESF-300A02-AAB040</u>	<u>ESF-350A02-ADB020</u>
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<u>ESF-250A02-ADB040</u>	<u>ESF-250A02-ADO020</u>	<u>ESF-350A02-ADO040</u>		