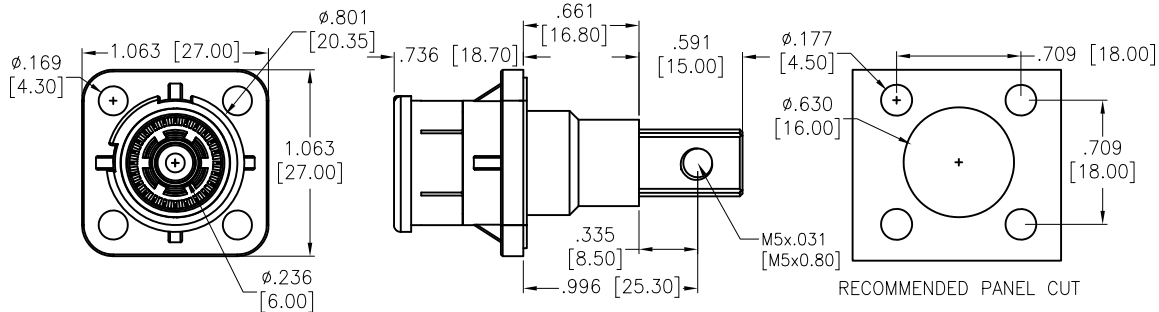


APPROVED: _____

DATE: _____ TITLE: _____

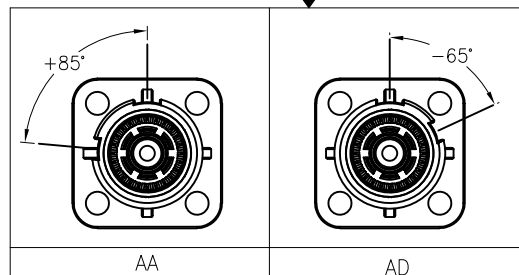
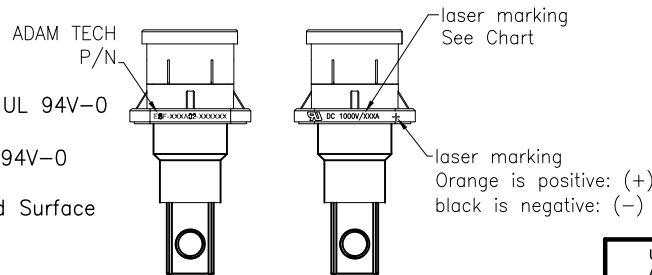


ADAM TECH P/N:	Compatible Dust Cover (Sold Separately)
ESF-090A02-XXXXXX	ESF-DC1
ESF-120A02-XXXXXX	

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

Notes:
All connectors packaged in trays



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: 5,000 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



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 Wire standard: 4 AWG Strand outer diameter: $\phi 6.47$ Max O.D (Outside Diameter): $\phi 9.50$ Max International Wire Gauge Wire standard: 25mm ² Strand outer diameter: $\phi 7.20$ Max O.D (Outside Diameter): $\phi 9.80$ Max	120A
052	Crimp ADAM/PN: (ESF-090A02-XX052)	AWG American wire gauge Wire standard: 6 AWG Strand outer diameter: $\phi 5.20$ Max O.D (Outside Diameter): $\phi 8.50$ Max International Wire Gauge Wire standard: 16mm ² Strand outer diameter: $\phi 5.80$ Max O.D (Outside Diameter): $\phi 8.00$ Max	090A

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

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

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

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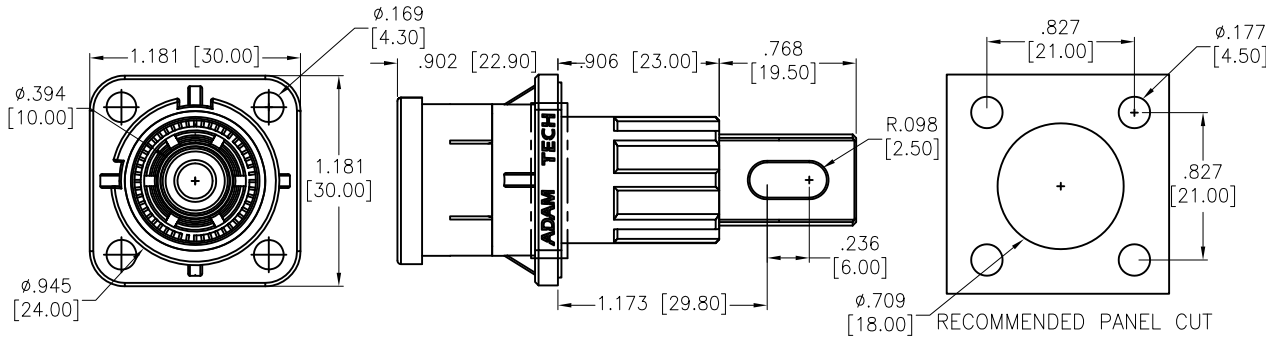
909 Rahway Avenue,
Union, NJ 07083
Phone: 908-687-5000
adam-tech.com

TITLE ENERGY STORAGE CONNECTOR, FEMALE		
SIZE X	PART NO. ESF-XXXXA02-XXXXXX	REV. H
REF: S00005C	SCALE: NTS	SHEET 1 OF 4

APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
SEE SHT 1 OF 4 FOR REVISION				

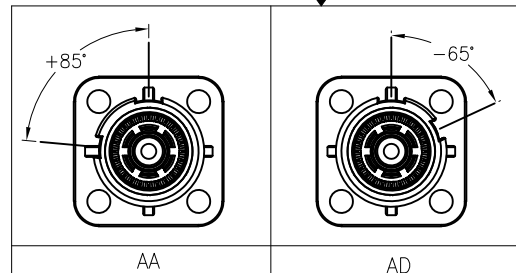


ADAM TECH P/N:	Compatible Dust Cover (Sold Separately)
ESF-200A02-XXXXXX	ESF-DC2
ESF-250A02-XXXXXX	

Universal model: 200A, 250A	ESF-XXXXA02-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

Notes:
All connectors packaged in trays



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	
051	Crimp ADAM/PN: (ESF-200A02-XX051)	AWG American wire gauge	200A
		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	
		Strand outer diameter: ø12.2 Max	
		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: 5,000 Mohms min

Dielectric withstanding voltage: 6,800VDC

Mechanical:

Durability: 500 cycles

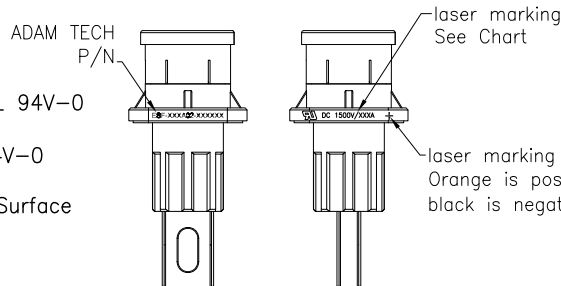
Overvoltage Category/Pollution Degree: CATIII/3

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

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

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

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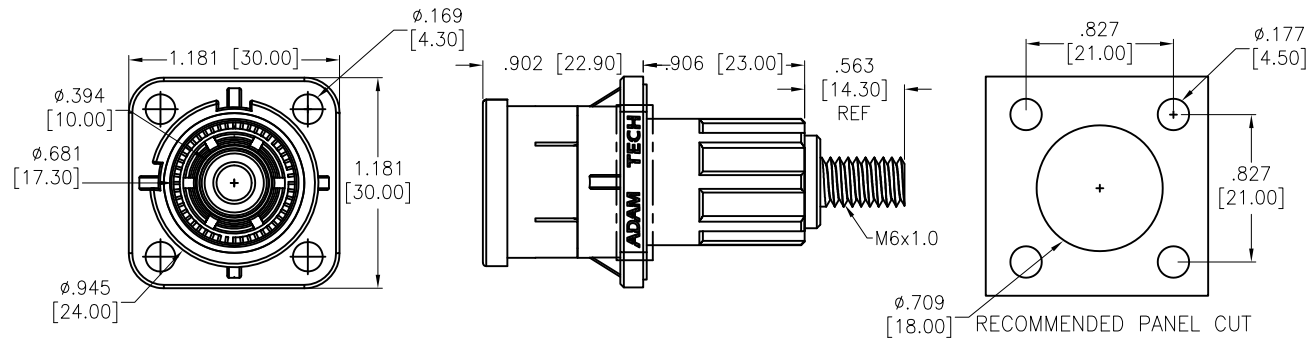
909 Rahway Avenue,
Union, NJ 07083
Phone: 908-687-5000
adam-tech.com

TITLE ENERGY STORAGE CONNECTOR, FEMALE		
SIZE X	PART NO. ESF-XXXXA02-XXXXXX	REV. H
REF: S00005C	SCALE: NTS	SHEET 2 OF 4

APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
SEE SHT 1 OF 4 FOR REVISION				



ESF-200A02-XXX030
ESF-250A02-XXX030
Dedicated Drawing

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

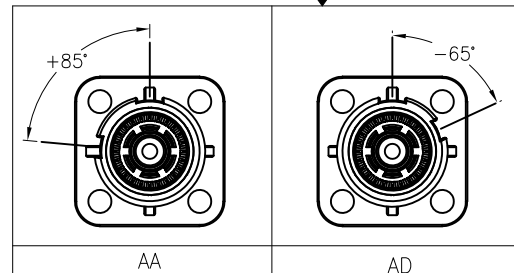
Universal model: 200A, 250A

ESF-XXXXA02-XXX030

Key Options

Housing Color:
O=Orange
B=Black

Notes:
All connectors packaged in trays



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: 5,000 Mohms min

Dielectric withstanding voltage: 6,800VDC

Mechanical:

Durability: 500 cycles

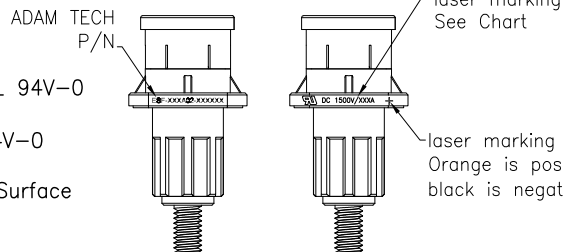
Overvoltage Category/Pollution Degree: CATIII/3

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

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

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

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TITLE

ENERGY STORAGE CONNECTOR, FEMALE

SIZE
X

PART NO.

ESF-XXXXA02-XXXXXX

REV.
H

REF: S00005C

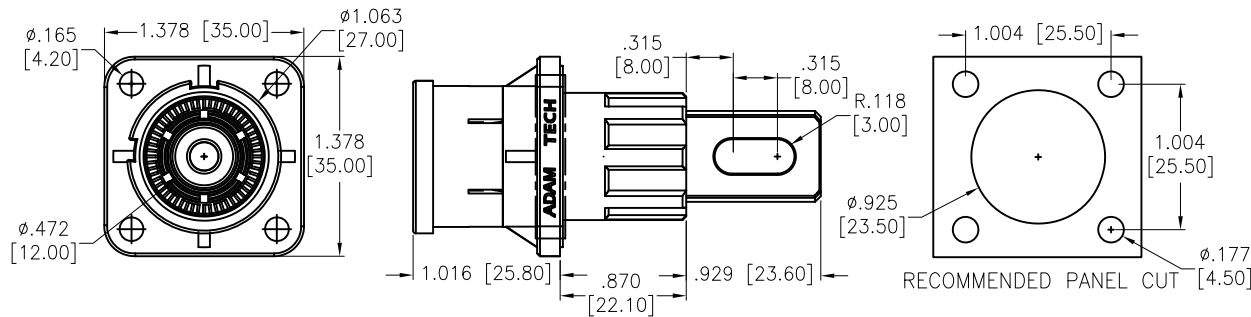
SCALE: NTS

SHEET 3 OF 4

APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
SEE SHT 1 OF 4 FOR REVISION				

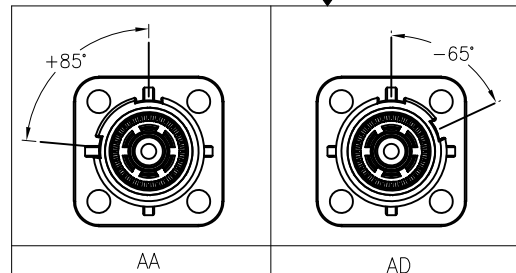


ADAM TECH P/N:	Compatible Dust Cover (Sold Separately)
ESF-300A02-XXXXXX	ESF-DC3
ESF-350A02-XXXXXX	

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

Notes:
All connectors packaged in trays



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	350A
		Wire standard: 4/0 AWG	
		Strand outer diameter: $\phi 14.7$ Max	
		O.D (Outside Diameter): $\phi 18.5$ Max	
052	Crimp ADAM/PN: (ESF-300A02-XX052)	International Wire Gauge	300A
		Wire standard: 95mm ²	
		Strand outer diameter: $\phi 14.2$ Max	
		O.D (Outside Diameter): $\phi 17.6$ 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: 300A/350A

Contact resistance: 0.5 mohms max

Insulation resistance: 5,000 Mohms min

Dielectric withstanding voltage: 6,800VDC

Mechanical:

Durability: 500 cycles

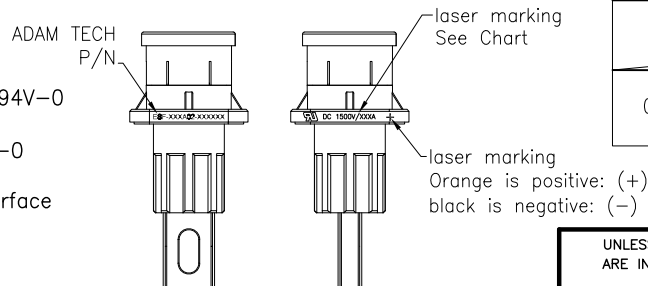
Overvoltage Category/Pollution Degree: CATIII/3

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

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

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

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TITLE

ENERGY STORAGE CONNECTOR, FEMALE

SIZE
X

PART NO.

ESF-XXXXA02-XXXXXX

REV.
H

REF: S00005C

SCALE: NTS

SHEET 4 OF 4