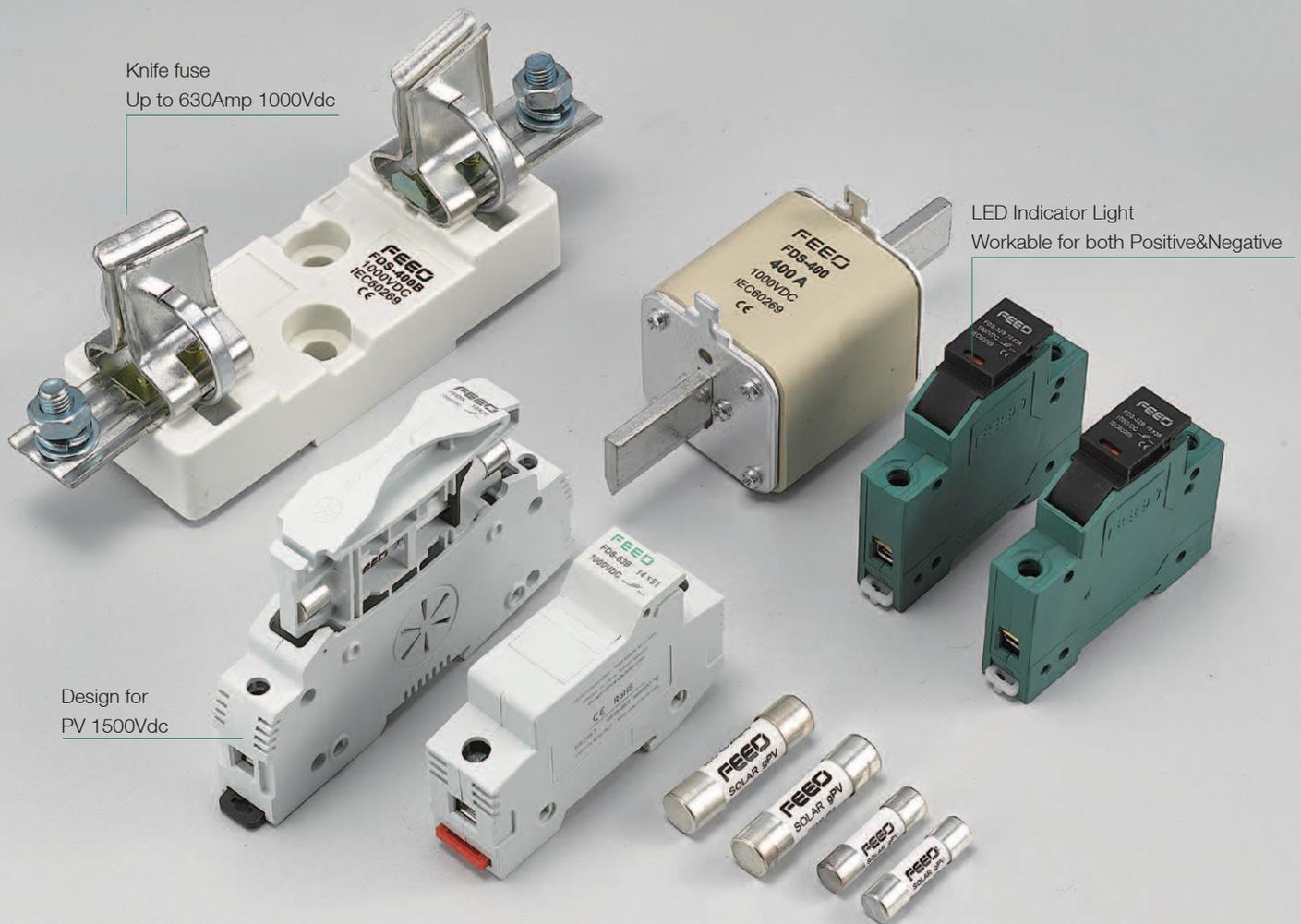


FDS series ▶▶

Solar DC Fuse

CCC CE TÜV RoHS



Knife fuse
Up to 630Amp 1000Vdc

LED Indicator Light
Workable for both Positive&Negative

Design for
PV 1500Vdc

► Application

A range of 10x38mm fuse links specifically designed for protecting photovoltaic strings. These fuse links are capable of interrupting low overcurrents associated with faulted photovoltaic string arrays (reverse current, multi-array fault).

► Structural Characteristics

- According to IEC60269-1
- Rated current: 1-32A
- Rated voltage: DC 1000V
- Rated breaking capacity:DC 20KA
- Operating class gPV for Solar protection



► Specifications

Pole	1P
Rated Voltage Ue (V DC)	1000
Rated Current In (A)	1,2,3,4,5,6,8,10,12,15,20,25,32
Biggest Block Ability(KA)	20
The Most High Power Consumption(W)	3.5

► Connection and Installation

Connection(mm2)	2.5 -1 0
Working Temperature(°C)	-30~+70
Resistance And Damp Hot	Class 2
Altitude(m)	≤ 2000
Relative Humidity	≤ 95%
Protection Class/Degree	IP20
Pollution	3
Installation Environment	No obvious shock and vibration
Installation Class/Type	Class III/DIN rail

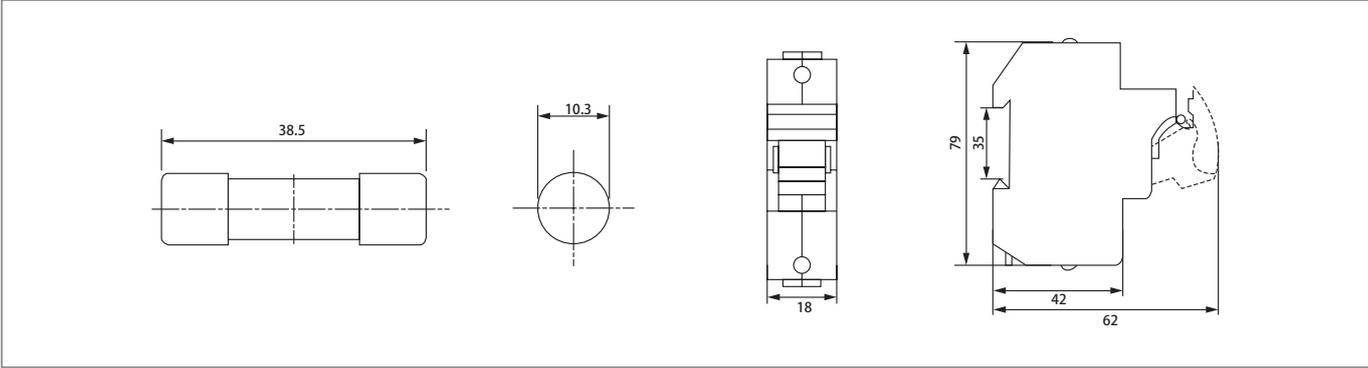
► Size(mm)

		Size/Dimension(mm)	
(WxHxL)	W		18
	H		60
	L		78
Fuse Size			10x38
Fuse Link Weight(kg)			0.011
Fuse holder weight(kg)			0.07

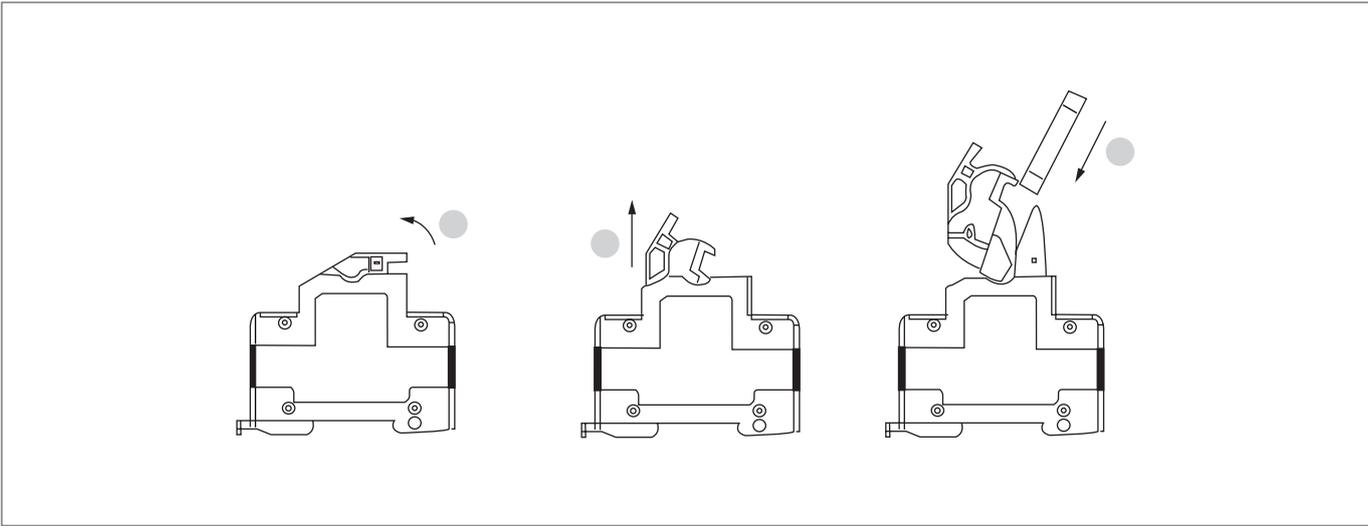
► Application conditions

- Photovoltaic system fuse accord with UL248-1 standard.
- Photovoltaic battery dc fuse designed to used for photovoltaic (PV) system.
- Main effect is to protect the solar panels. Solar panels points in effective condition is broken.
- Fault light cells break points at the same time, does not affect other normal work of light from the stack.
- Technical Data Rated coltage: DC1000V Breaking capacity: 25KA Function level: PV.

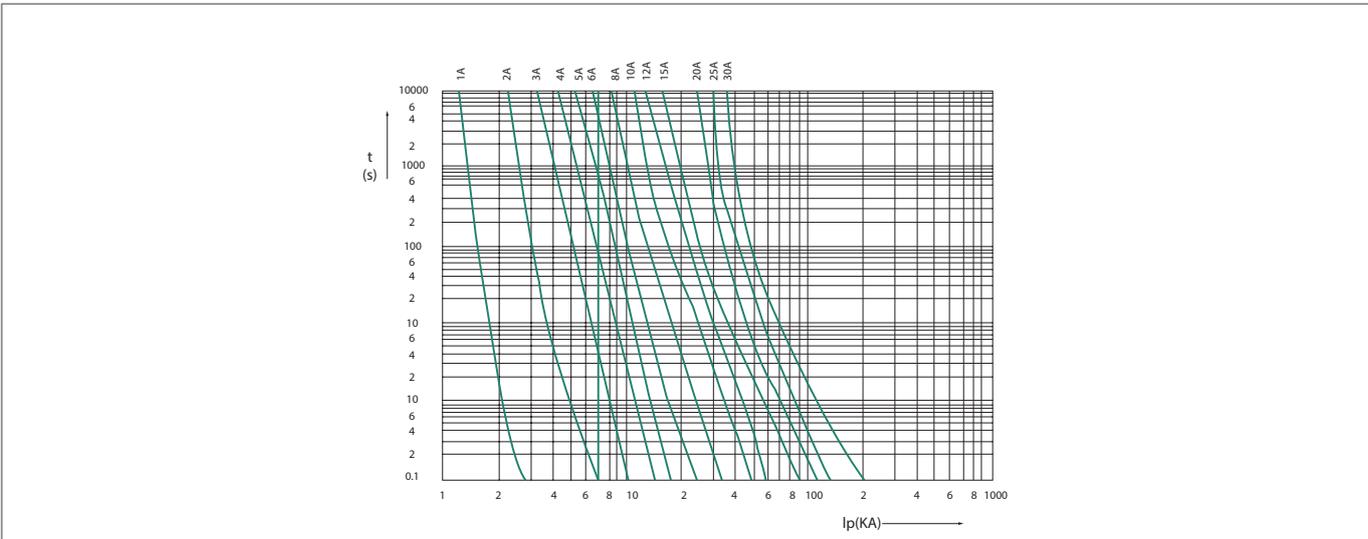
► Dimensions



► Installation



► Characteristic Curve



► Application

A range of 14x51mm fuse links specifically designed for protecting photovoltaic strings. These fuse links are capable of interrupting low overcurrents associated with faulted photovoltaic string arrays (reverse current, multi-array fault).

► Structural Characteristics

- According to IEC60269-6
- Rated current: 1-63A
- Rated voltage: DC 1000V
- Operating class gPV for Solar protection



► Specifications

Pole	1P
Rated Voltage Ue (V DC)	1000
Rated Current In (A)	4,6,8,10,12,16,20,25,32,40,50,63

► Connection and Installation

Connection(mm ²)	2.5 - 10
Working Temperature(°C)	-30~+70
Resistance And Damp Hot	Class 2
Altitude(m)	≤ 2000
Relative Humidity	≤ 95%
Protection Class/Degree	IP20
Pollution	3
Installation Environment	No obvious shock and vibration
Installation Class/Type	Class III/DIN rail

► Size(mm)

Size/Dimension(mm)		
(WxHxL)	W	22
	H	66
	L	96
Fuse Size		14x51
Fuse holder Weight (kg)		0.11
Fuse link weight(kg)		0.025

► PV fuse Description

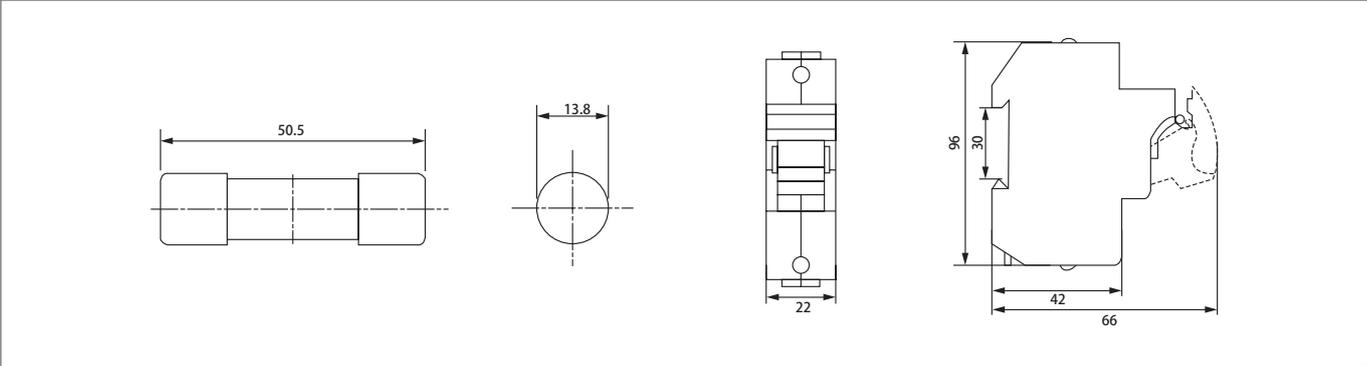
- Photovoltaic system fuse accord with UL248-1 standard.
- Photovoltaic battery dc fuse designed to used for photovoltaic (PV) system.
- Main effect is to protect the solar panels. Solar panels points in effective condition is broken.
- Fault light cells break points at the same time, does not affect other normal work of light from the stack.
- Technical Data Rated voltage: DC1000V Breaking capacity: 25KA Function level: PV.

FDS-63

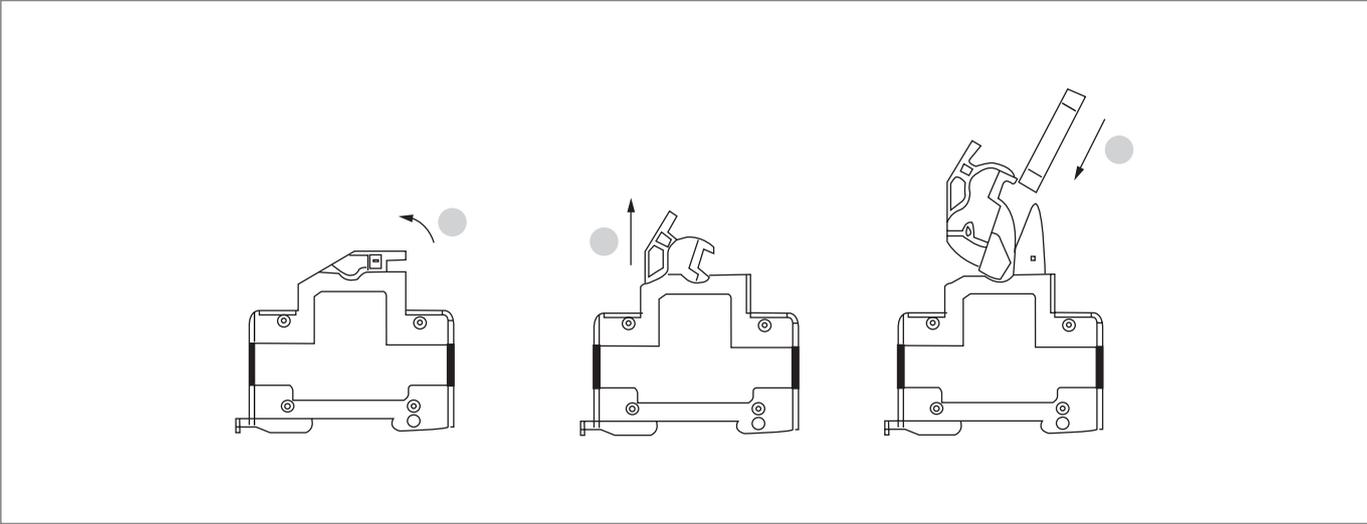
Solar DC Fuse



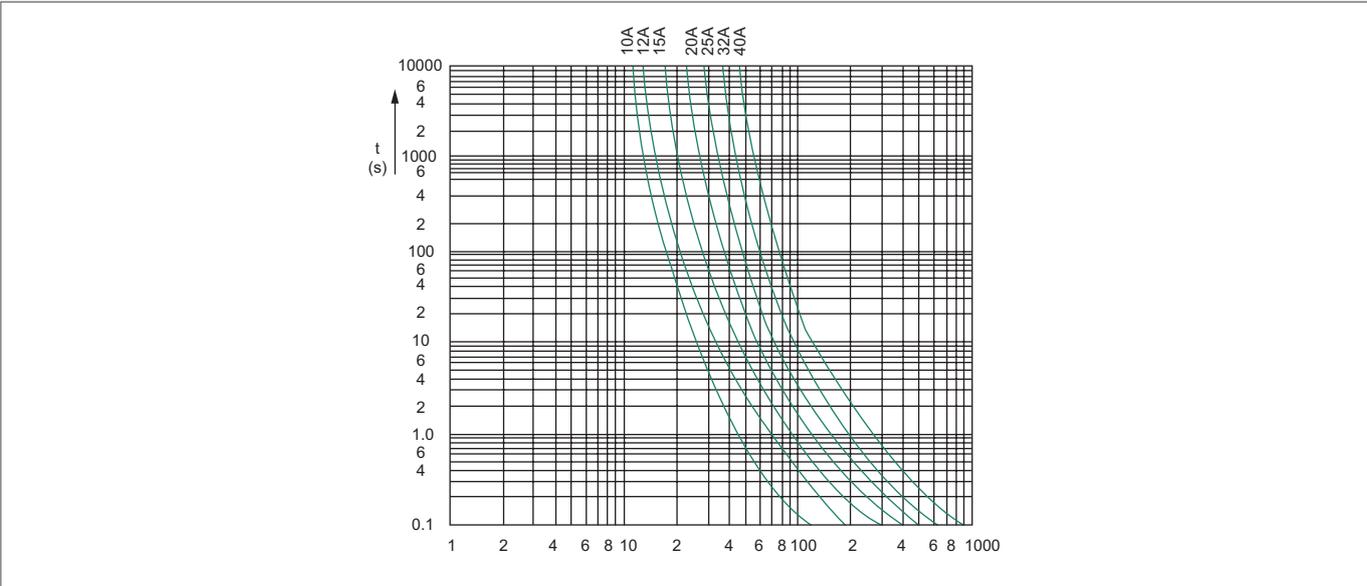
► Dimensions



► Installation



► Characteristic Curve



FDS-160

Solar DC Fuse

► Application

Fuse features light in weight, small in size, low in power loss and high in breaking capacity. This product has been widely used in overload and short circuit protection of electric installation. This product conforms to ICE 60269 standard with all of the rating at the world advanced level.



► Structural Characteristics

- According to IEC60269-6
- Rated current: 40-160A
- Rated voltage: DC 1000V
- Rated breaking capacity:DC 50kA
- Operating class gPV for Solar protection
- See Model of product:NH00

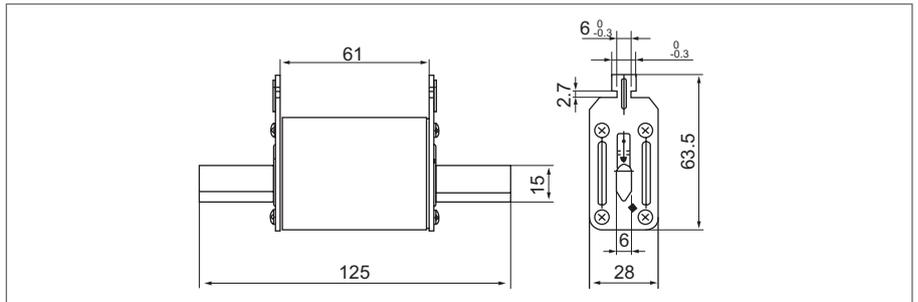
► Specifications

Rated Voltage Ue (V DC)	1000
Rated Current In (A)	40,50,63,80,100,125,160
Biggest Block Ability(KA)	50

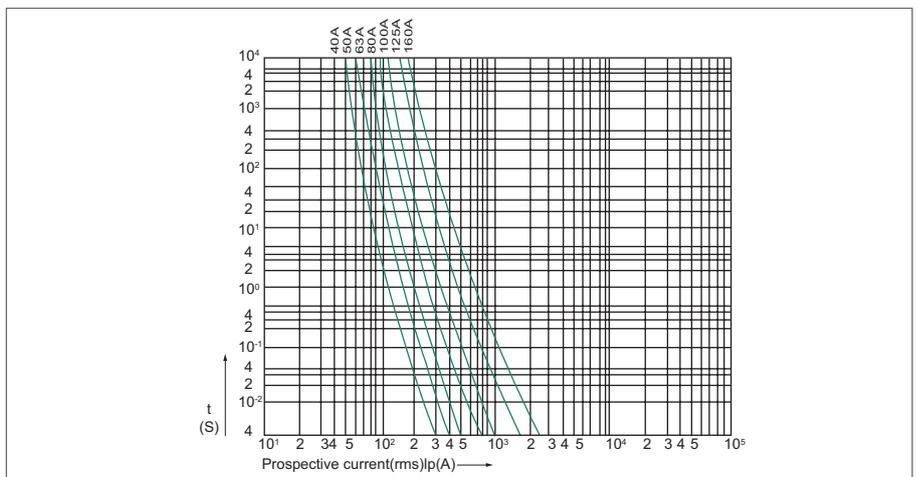
► Electrical Characteristics

Rating	Blowing Time	
	1.13In	1.45In
In ≤ 60	1 hour Min	1 hour Max
63 < In ≤ 160	2 hour Min	2 hour Max

► Dimensions



► Characteristic Curve



Solar DC Fuse

► Application

Fuse features light in weight, small in size, low in power loss and high in breaking capacity. This product has been widely used in overload and short circuit protection of electric installation. This product conforms to ICE 60269 standard with all of the rating at the world advanced level.



► Structural Characteristics

- According to IEC60269-6
- Rated current: 32-250A
- Rated voltage: DC 1000V
- Rated breaking capacity: DC 50kA
- Operating class gPV for Solar protection
- See Model of product: NH1

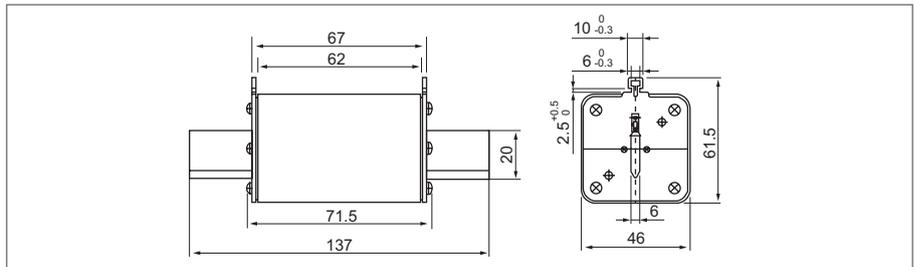
► Specifications

Rated Voltage U_e (V DC)	1000
Rated Current I_n (A)	32,40,50,63,80,100,125,160,200,250
Biggest Block Ability(KA)	50

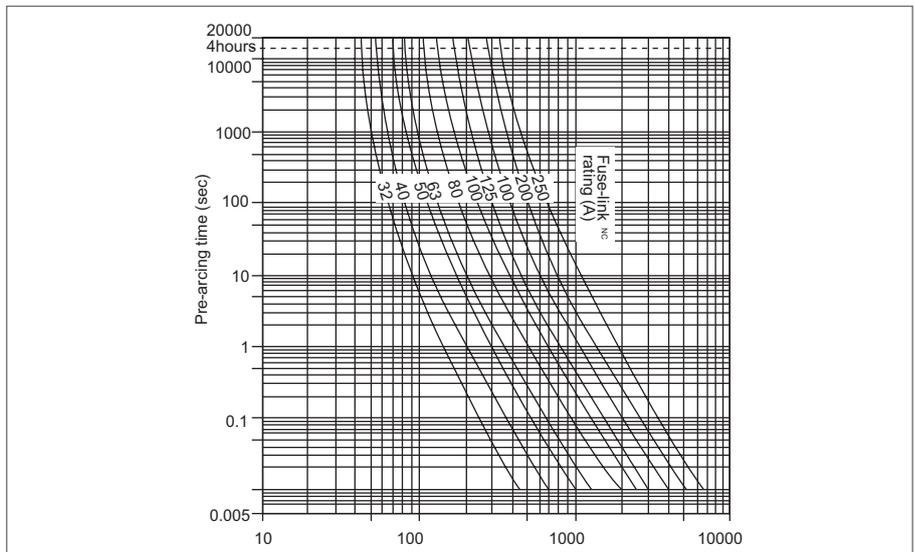
► Electrical Characteristics

Rating	Blowing Time	
	1.13 I_n	
$I_n \leq 60$	1 hour Min	1 hour Max
$63 < I_n \leq 250$	2 hour Min	2 hour Max

► Dimensions



► Characteristic Curve



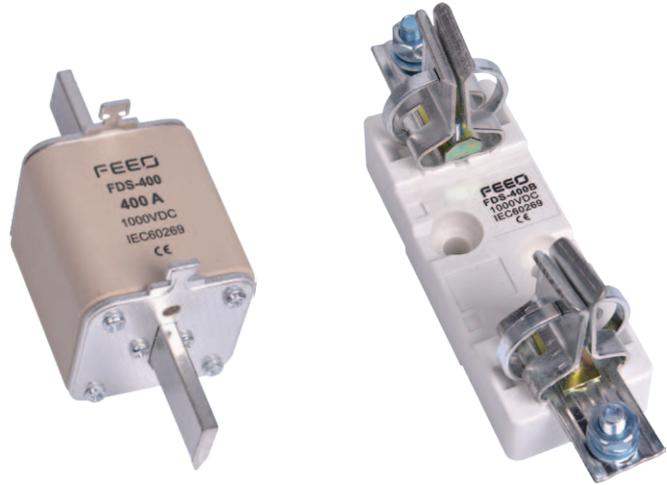
FDS-400

YUEQING FEEO
ELECTRIC CO.,LTD

Solar DC Fuse

► Application

Fuse features light in weight, small in size, low in power loss and high in breaking capacity. This product has been widely used in overload and short circuit protection of electric installation. This product conforms to ICE 60269 standard with all of the rating at the world advanced level.



► Structural Characteristics

- According to IEC60269-6
- Rated current: 125-400A
- Rated voltage: DC 1000V
- Rated breaking capacity:DC 50kA
- Operating class gPV for Solar protection
- See Model of product:NH2

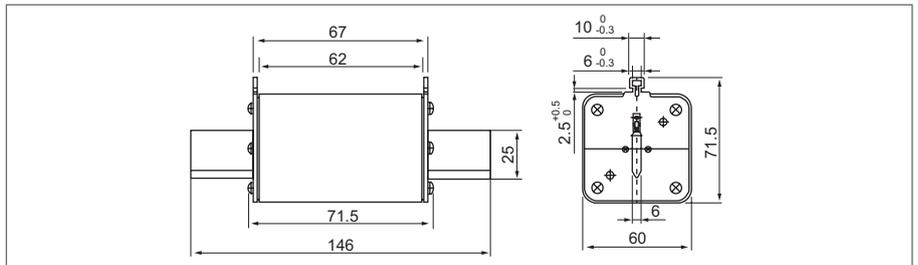
► Specifications

Rated Voltage U_e (V DC)	1000
Rated Current I_n (A)	125,160,200,250,300,315,355,400
Biggest Block Ability(KA)	50

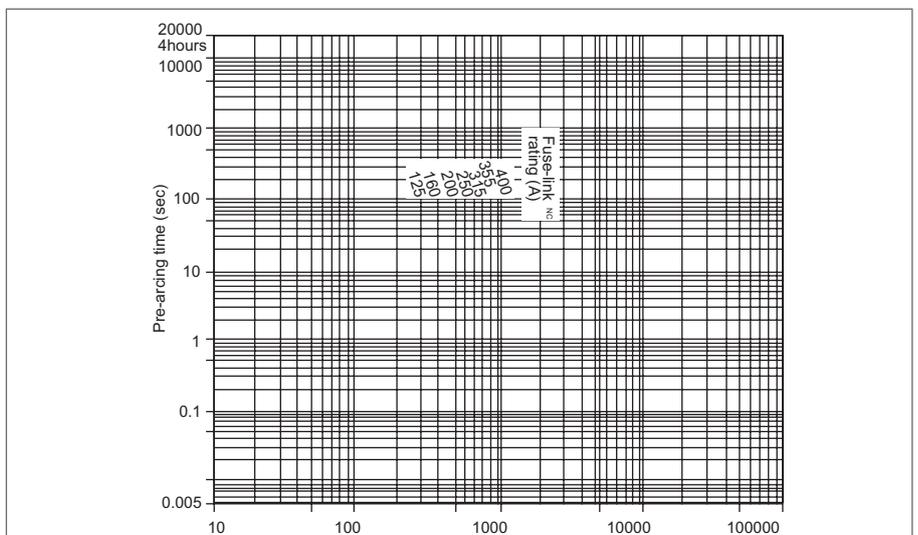
► Electrical Characteristics

Rating	Conventional Time(h)	Conventional Current	
		Conventional Non-Fusing Current(A)	Conventional Fusing Current(A)
$I_n \leq 60$	2	1.13 I_n	1.45 I_n
$160 < I_n \leq 400$	3		

► Dimensions



► Characteristic Curve



Solar DC Fuse

► Application

Fuse features light in weight, small in size, low in power loss and high in breaking capacity. This product has been widely used in overload and short circuit protection of electric installation. This product conforms to ICE 60269 standard with all of the rating at the world advanced level.

► Structural Characteristics

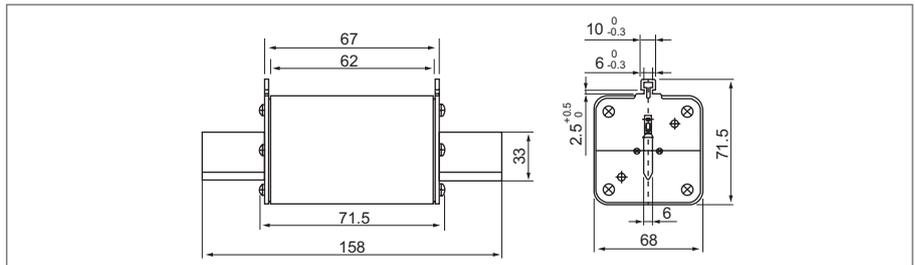
- According to IEC60269-6
- Rated current: 315-630A
- Rated voltage: DC 1000V
- Rated breaking capacity: DC 50kA
- Operating class gPV for Solar protection



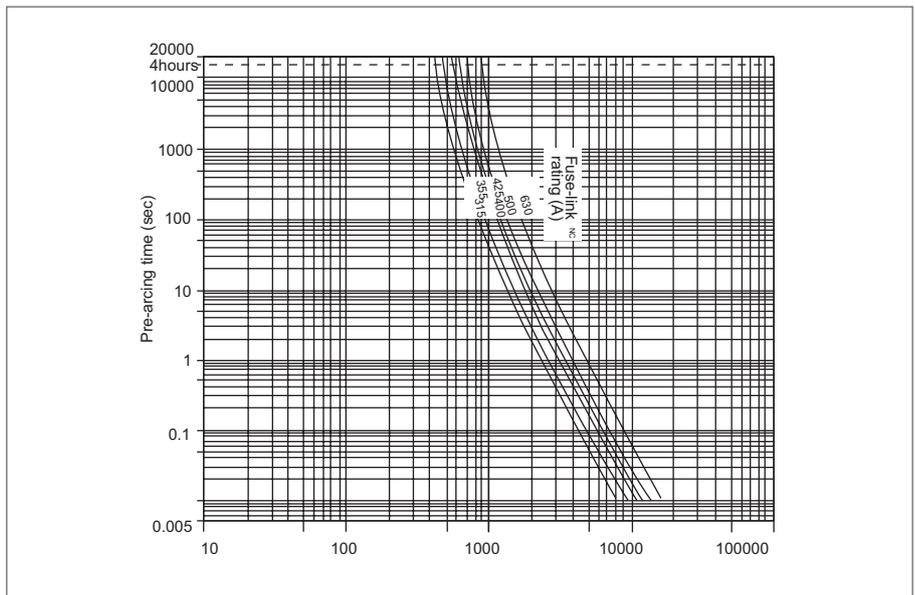
► Specifications

Rated Voltage U_e (V DC)	1000
Rated Current I_n (A)	315,355,400,425,500,630
Biggest Block Ability(KA)	50

► Dimensions



► Characteristic Curve



Solar DC 1500V Fuse

► Application

A range of 10x85mm PV fuses specifically designed for protecting and isolating photovoltaic strings. These fuse links are capable of interrupting low overcurrents associated with faulted PV systems (reverse current, multi-array fault). Available in four mounting styles for application flexibility.

► Structural Characteristics

- According to IEC60269-6
- Rated current: 1-30A
- Rated voltage: DC 1500V
- Rated breaking capacity:DC 20kA
- Operating class gPV for Solar protection



► Specifications

Pole	1P
Rated Voltage Ue (V DC)	1500
Rated Current In (A)	1,2,3,4,5,6,8,10,12,15,20,25,30
Biggest Block Ability(KA)	20

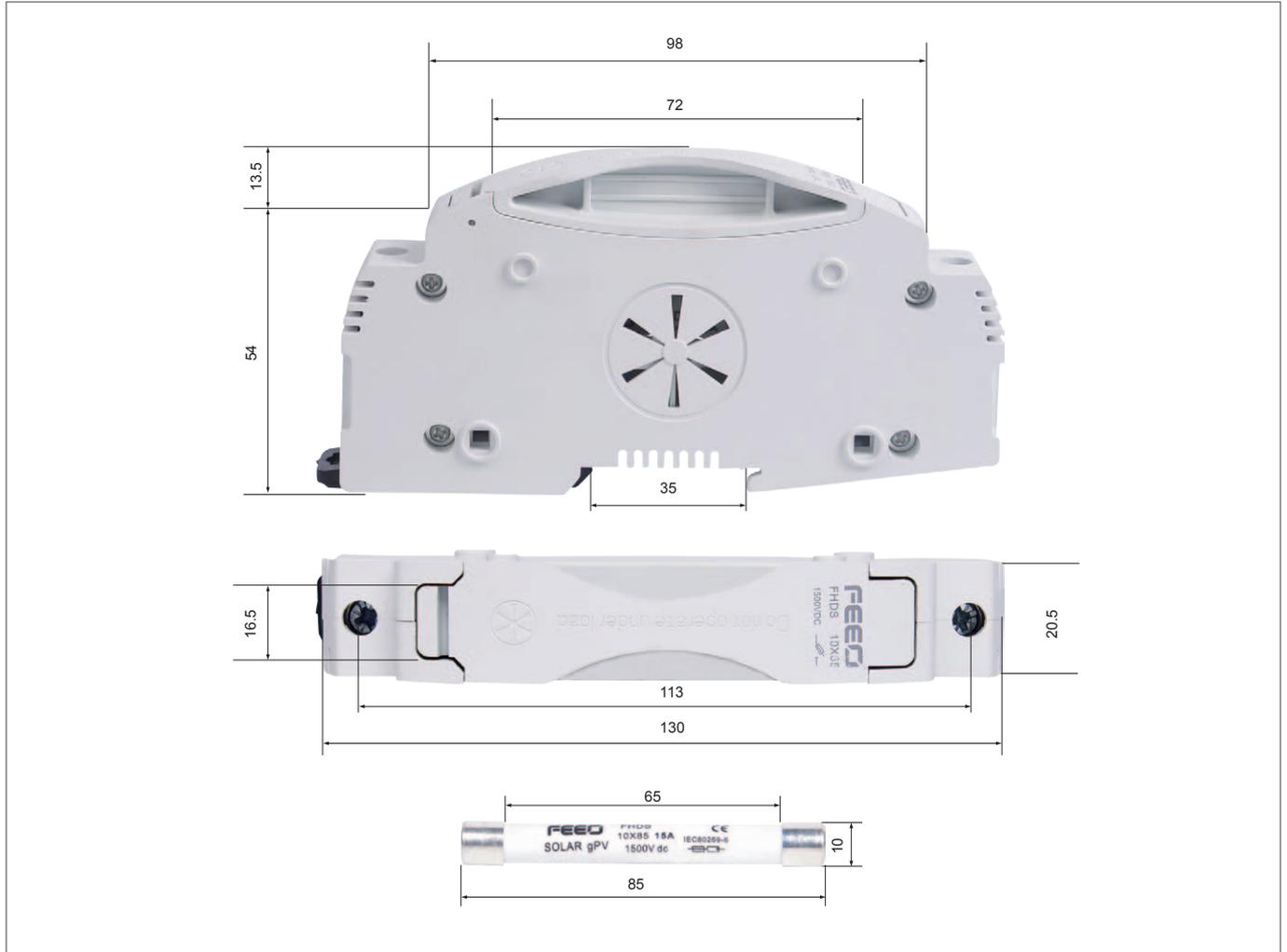
► Connection and Installation

Connection(mm2)	2.5 - 10
Working Temperature(°C)	-30~+70
Resistance And Damp Hot	Class 2
Altitude(m)	≤ 2000
Relative Humidity	≤ 95%
Protection Class/Degree	IP20
Pollution	3
Installation Environment	No obvious shock and vibration
Installation Class/Type	Class III/DIN rail

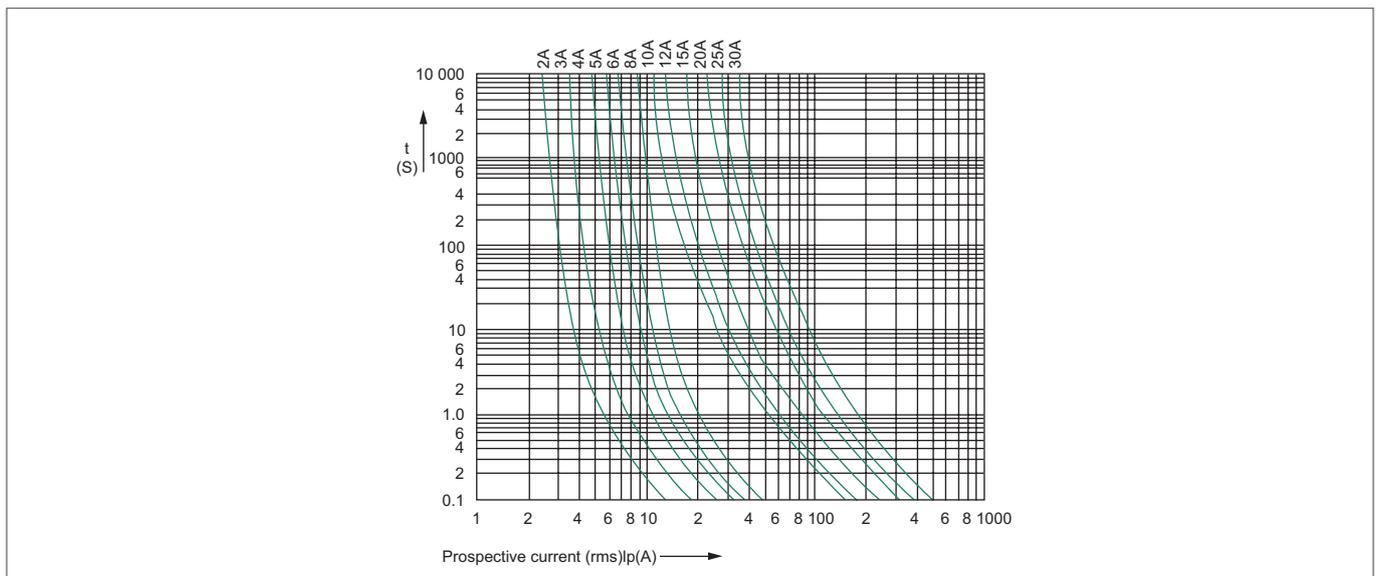
► PV fuse Features

- Specifically designed to provide fast-acting protection under low fault current conditions associated with PV systems.
- Variety of mounting options for flexibility.
- Fuses meet IEC photovoltaic standards for global product acceptance.
- Low watts loss for greater PV system efficiency.
- Low heat rise permits more precise sizing.
- In-line crimp terminal version is easy to apply in wire harness construction.

► Dimensions



► Characteristic Curve



FHB Series

Fuse Type Isolator Switch

YUEQING FEEO
ELECTRIC CO.,LTD

► Product Application

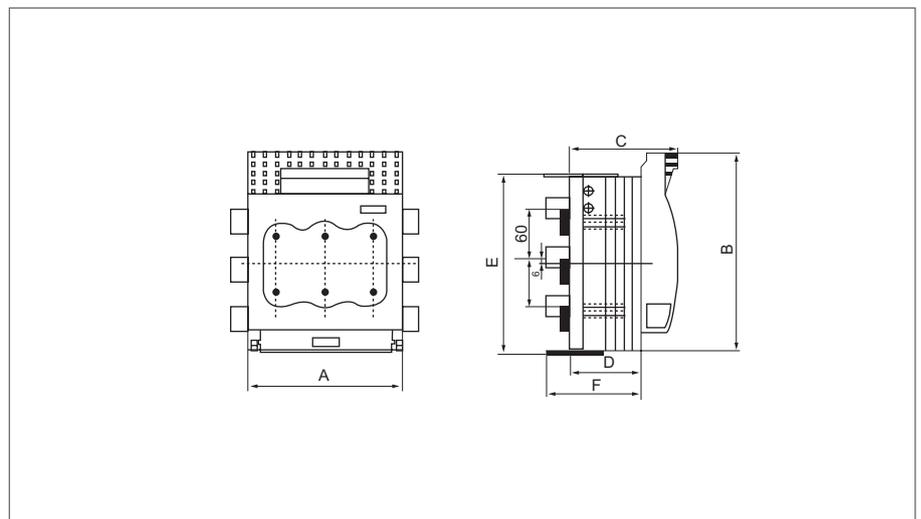
FHB series fuse type isolator is a product with advanced international level in the middle of the 90s. The rated voltage is 800V, rated voltage to 660V, rated current up to 630A, rated frequency 50Hz, power distribution and electric circuit high short-circuit current, used as power switch, isolation switch and emergency switch and circuit protection purposes, but generally not directly as a single motor for opening and closing.



► Technical Parameters

Convention heating current I _{th}	160A	250A	400A	630A
Rated insulation voltage U _i	800V/1500V			
Rated operating voltage U _e	AC400V, 690V/DC1000V			
Rated frequency	50Hz			
Rated connection capacity (A r.m.s)	10I _e			
Rated breaking capacity (A r.m.s)	8I _e			
Rated limit short-circuit current (r.m.s)	50KA			
Rated operating current	160A	250A	400A	630A
	100A	200A	315A	425A
Mechanical life (times)	5000	3000	2000	1500
Electric life (times)	1000	600	400	300
Weight (3P) kg	1.2	3.6	4.8	6.5
Auxiliary micro switch main parameters	50Hz, AC-15, 230V, 3A			

► Dimensions



Model/Size	A	B	C	D	E	F
FHB-160/3	160	200	97	60	200	87
FHB-250/3	185	247	128	88	221	87
FHB-400/3	210	290	145	97	268	125
FHB-630/3	256	300	160	112	285	139