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DISTRIBUTION BOXES

PV DC COMBINER BOX

Leading Manufacturer Protects Solar Power Safety

version 2022



PV COMBINER BOX

ECBX SERIES

PV Combiner Box 600VDC /1000VDC



1 INPUT 1 OUTPUT 1000VDC



Product Application

Suitable for PV system, equipped with a surge protector and an isolator, providing isolation, leakage and grounding protection.

DC Surge Arrester

EDPN40-3 / EDPAN40-3

- Max Operation Voltage 1000V
- Standard Compliance with EN50539 Type2 / Type1+2
- Maximum Discharge Current 40 KA
- Certification TUV,CB,CE

DC Fuse

EDFHN-32

- LED Indicator or without LED indicator
- Rated Working Voltage 1000V
- Fuse Link 10x38mm LITTEL 15A
- Certification TUV,CB,CE
-

DC Switch Disconnecter

EDS1DB/N

- Rated Insulation Voltage 1000V
- Rated Current 32A
- Certification TUV,CB,SAA,CE



Technical Data

Specification		Wiring diagram
Input	1-1	
Output	1 strings	
Max Voltage	1000V	
Max DC Short Circuit Current Per Input	15A(Changeable)	
Max Current Output	32A	
Enclosure	FCDB-EUS	
Material	PC	
Degree of Protection	IP65	
Impacts	IK10	
Dimensions	BX-12: L273*W215*H118mm	
Cable input Entry	PG09 Cable Gland, 2.5-16mm ²	
Output Cable Gland	PG21,2.5-16mm ²	
Environment		
Operating temperature	-20°C- +60°C	
Humidity	99%	
Altitude	2000M	
Installation	Wall Mounting	

PV COMBINER BOX

2 INPUT 1 OUTPUT 1000VDC



Product Application

Suitable for PV system, equipped with a surge protector and an isolator, providing isolation, leakage and grounding protection.

DC Surge Arrester

EDPN40-3 / EDPAN40-3

- Max Operation Voltage 1000V
- Standard Compliance with EN50539 Type2 / Type1+2
- Maximum Discharge Current 40 KA
- Certification TUV,CB,CE

DC Fuse

EDFHN-32

- LED Indicator or without LED indicator
- Rated Working Voltage 1000V
- Fuse Link 10x38mm LITTEL 15A
- Certification TUV,CB,CE



DC Switch Disconnecter

EDS1DB/N

- Rated Insulation Voltage 1000V
- Rated Current 32A
- Certification TUV,CB,SAA,CE

Technical Data

Specification		Wiring diagram
Input	2 strings	
Output	1 strings	
Max Voltage	1000V	
Max DC Short Circuit Current Per Input	15A(Changeable)	
Max Current Output	32A	
Enclosure	FCDB-EUS	
Material	PC	
Degree of Protection	IP65	
Impacts	IK10	
Dimensions	BX-12: L273*W215*H118mm	
Cable input Entry	PG09 Cable Gland, 2.5-16mm ²	
Output Cable Gland	PG21, 2.5-16mm ²	
Environment		
Operating temperature	-20°C - +60°C	
Humidity	99%	
Altitude	2000M	
Installation	Wall Mounting	

2 INPUT 2 OUTPUT 1000VDC



Product Application

Suitable for PV system, equipped with a surge protector and an isolator, providing isolation, leakage and grounding protection.

DC Surge Arrester

EDPN40-3 / EDPAN40-3

- Max Operation Voltage 1000V
- Standard Compliance with EN50539 Type2 / Type1+2
- Maximum Discharge Current 40 KA
- Certification TUV,CB,CE

DC Fuse

EDFHN-32

- LED Indicator or without LED indicator
- Rated Working Voltage 1000V
- Fuse Link 10x38mm LITTEL 15A
- Certification TUV,CB,CE

DC Switch Disconnecter

EDS1DB/N

- Rated Insulation Voltage 1000V
- Rated Current 32A
- Certification TUV,CB,SAA,CE



Technical Data

Specification		Wiring diagram
Input	2-2	
Output	2 strings	
Max Voltage	1000V	
Max DC Short Circuit Current Per Input	15A(Changeable)	
Max Current Output	32A	
Enclosure	FCDB-EUS	
Material	PC	
Degree of Protection	IP65	
Impacts	IK10	
Dimensions	BX-24: L273*W365*H118mm	
Cable input Entry	PG09 Cable Gland, 2.5-16mm ²	
Output Cable Gland	PG21,2.5-16mm ²	
Environment		
Operating temperature	-20°C- +60°C	
Humidity	99%	
Altitude	2000M	
Installation	Wall Mounting	

PV COMBINER BOX

3 INPUT 1 OUTPUT 1000VDC



Product Application

Suitable for PV system, equipped with a surge protector and an isolator, providing isolation, leakage and grounding protection.

DC Surge Arrester

EDPN40-3 / EDPAN40-3

- Max Operation Voltage 1000V
- Standard Compliance with EN50539 Type2 / Type1+2
- Maximum Discharge Current 40 KA
- Certification TUV,CB,CE

DC Fuse

EDFHN-32

- LED Indicator or without LED indicator
- Rated Working Voltage 1000V
- Fuse Link 10x38mm LITTEL 15A
- Certification TUV,CB,CE

DC Switch Disconnecter

EDS1DB/N

- Rated Insulation Voltage 1000V
- Rated Current 32A
- Certification TUV,CB,SAA,CE



Technical Data

Specification		Wiring diagram
Input	3-1	
Output	3 strings	
Max Voltage	1 strings	
Max DC Short Circuit Current Per Input	1000V	
Max Current Output	15A(Changeable)	
Max Current Output	32A	
Enclosure	FCDB-EUS	
Material	PC	
Degree of Protection	IP65	
Impacts	IK10	
Dimensions	BX-18: L380.8*W215*H118mm	
Cable input Entry	PG09 Cable Gland, 2.5-16mm ²	
Output Cable Gland	PG21,2.5-16mm ²	
Environment		
Operating temperature	-20°C - +60°C	
Humidity	99%	
Altitude	2000M	
Installation	Wall Mounting	

4 INPUT 1 OUTPUT 1000VDC



Product Application

Suitable for PV system, equipped with a surge protector and an isolator, providing isolation, leakage and grounding protection.

DC Surge Arrester

EDPN40-3 / EDPAN40-3

- Max Operation Voltage 1000V
- Standard Compliance with EN50539 Type2 / Type1+2
- Maximum Discharge Current 40 KA
- Certification TUV,CB,CE

DC Fuse

EDFHN-32

- LED Indicator or without LED indicator
- Rated Working Voltage 1000V
- Fuse Link 10x38mm LITTEL 15A
- Certification TUV,CB,CE

DC Switch Disconnecter

EDS6DB/R

- Rated Insulation Voltage 1000V
- Rated Current 32A
- Certification TUV,CB,SAA,CE



Technical Data

Specification	4-1	Wiring diagram
Input	4 strings	
Output	1 strings	
Max Voltage	1000V	
Max DC Short Circuit Current Per Input	15A(Changeable)	
Max Current Output	63A	
Enclosure	FCDB-EU	
Material	PC	
Degree of Protection	IP65	
Impacts	IK10	
Dimensions	BX-24: L309*W391*H114mm	
Cable input Entry	PG09 Cable Gland, 2.5-16mm ²	
Output Cable Gland	PG21,2.5-16mm ²	
Environment		
Operating temperature	-20°C- +60°C	
Humidity	99%	
Altitude	2000M	
Installation	Wall Mounting	

PV COMBINER BOX

4 INPUT 2 OUTPUT 1000VDC



Product Application

Suitable for PV system, equipped with a surge protector and an isolator, providing isolation, leakage and grounding protection.

DC Surge Arrester

EDPN40-3 / EDPAN40-3

- Max Operation Voltage 1000V
- Standard Compliance with EN50539 Type2 / Type1+2
- Maximum Discharge Current 40 KA
- Certification TUV,CB,CE

DC Fuse

EDFHN-32

- LED Indicator or without LED indicator
- Rated Working Voltage 1000V
- Fuse Link 10x38mm LITTEL 15A
- Certification TUV,CB,CE

DC Switch Disconnecter

EDS1DB/N

- Rated Insulation Voltage 1000V
- Rated Current 32A
- Certification TUV,CB,SAA,CE



Technical Data

Specification		Wiring diagram
Input	4-2	
Output	4-2	
Max Voltage	1000V	
Max DC Short Circuit Current Per Input	15A(Changeable)	
Max Current Output	32A	
Enclosure	FCDB-EUS	
Material	PC	
Degree of Protection	IP65	
Impacts	IK10	
Dimensions	BX-24: L273*W365*H118mm	
Cable input Entry	PG09 Cable Gland, 2.5-16mm ²	
Output Cable Gland	PG21, 2.5-16mm ²	
Environment		
Operating temperature	-20°C - +60°C	
Humidity	99%	
Altitude	2000M	
Installation	Wall Mounting	

5 INPUT 2 OUTPUT 1000VDC



Product Application

Suitable for PV system, equipped with a surge protector and an isolator, providing isolation, leakage and grounding protection.

DC Surge Arrester

EDPN40-3 / EDPAN40-3

- Max Operation Voltage 1000V
- Standard Compliance with EN50539 Type2 / Type1+2
- Maximum Discharge Current 40 KA
- Certification TUV,CB,CE

DC Fuse

EDFHN-32

- LED Indicator or without LED indicator
- Rated Working Voltage 1000V
- Fuse Link 10x38mm LITTEL 15A
- Certification TUV,CB,CE

DC Switch Disconnecter

EDS1DB/N

- Rated Insulation Voltage 1000V
- Rated Current 32A
- Certification TUV,CB,SAA,CE



Technical Data

Specification	5-2	Wiring diagram
Input	5 strings	
Output	2 strings	
Max Voltage	1000V	
Max DC Short Circuit Current Per Input	15A(Changeable)	
Max Current Output	32A	
Enclosure	FCDB-EUS	
Material	PC	
Degree of Protection	IP65	
Impacts	IK10	
Dimensions	BX-24: L273*W365*H118mm	
Cable input Entry	PG09 Cable Gland, 2.5-16mm ²	
Output Cable Gland	PG21,2.5-16mm ²	
Environment		
Operating temperature	-20°C- +60°C	
Humidity	99%	
Altitude	2000M	
Installation	Wall Mounting	

PV COMBINER BOX

6 INPUT 2 OUTPUT 1000VDC



Product Application

Suitable for PV system, equipped with a surge protector and an isolator, providing isolation, leakage and grounding protection.

DC Surge Arrester

EDPN40-3 / EDPAN40-3

- Max Operation Voltage 1000V
- Standard Compliance with EN50539 Type2 / Type1+2
- Maximum Discharge Current 40 KA
- Certification TUV,CB,CE

DC Fuse

EDFHN-32

- LED Indicator or without LED indicator
- Rated Working Voltage 1000V
- Fuse Link 10x38mm LITTEL 15A
- Certification TUV,CB,CE

DC Switch Disconnecter

EDS1DB/N

- Rated Insulation Voltage 1000V
- Rated Current 32A
- Certification TUV,CB,SAA,CE



Technical Data

Specification	6-2	Wiring diagram
Input	6 strings	
Output	2 strings	
Max Voltage	1000V	
Max DC Short Circuit Current Per Input	15A(Changeable)	
Max Current Output	32A	
Enclosure	FCDB-EUS	
Material	PC	
Degree of Protection	IP65	
Impacts	IK10	
Dimensions	BX-36: L381*W365*H118mm	
Cable input Entry	PG09 Cable Gland, 2.5-16mm ²	
Output Cable Gland	PG21,2.5-16mm ²	
Environment		
Operating temperature	-20°C - +60°C	
Humidity	99%	
Altitude	2000M	
Installation	Wall Mounting	

ECBY SERIES

PV Combiner Box 600VDC / 1000VDC



PV COMBINER BOX

1 INPUT 1 OUTPUT 600VDC / 1000VDC



Product Application

IP65 DC string box is designed for 1 string PV system. For surge protection and over-load protection at solar DC side.

DC Breaker

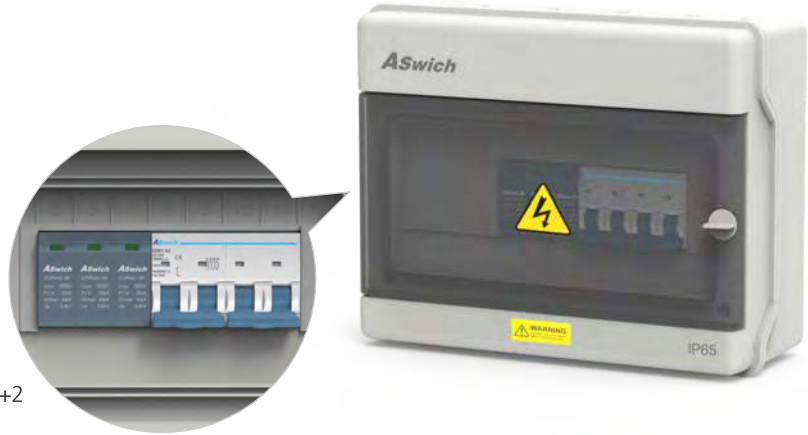
EDB1-63

- UL489B design, IEC60947-2 PV&DC standard
- Over-load, short circuit Protection
- Non Polarity for easier wiring

DC Surge Arrester

EDPN40-3 / EDPAN40-3

- Max Operation Voltage 1000V
- Standard Compliance with EN50539 Type2 / Type1+2
- Maximum Discharge Current 40 KA
- Certification TUV, CB, CE



Technical Data

Specification		Wiring diagram		
Input	1 strings			
Output	1 strings			
Max Voltage	600V			1000V
Rated Current of DC Breaker	15A			15A
Max Current Output	63A			40A
Enclosure		FCDB-EUS		
Material	PC			
Degree of Protection	IP65			
Impacts	IK10			
Dimensions	BX-12: L273*W215*H118mm			
Input Cable Glands	PG09,2.5-16			
Output Cable Gland	PG21,2.5-16			
Environment				
Operating temperature	-20°C- +60°C			
Humidity	99%			
Altitude	2000M			
Installation	Wall Mounting			

2 INPUT 1 OUTPUT 600VDC / 1000VDC



Product Application

IP65 DC string box is designed for 2 string PV system. For surge protection and current protection at solar DC side.

DC Breaker

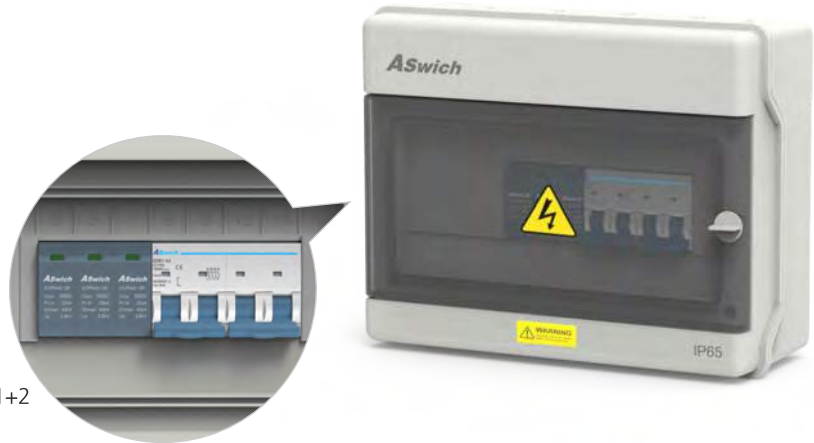
EDB1-63

- UL489B design, IEC60947-2 PV&DC standard
- Over-load, short circuit Protection
- Non Polarity for easier wiring

DC Surge Arrester

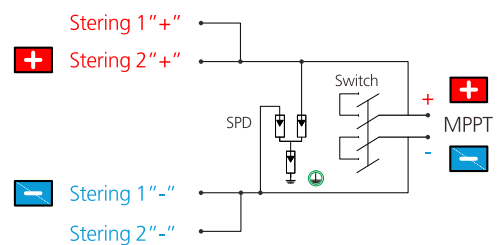
EDPN40-3 / EDPAN40-3

- Max Operation Voltage 1000V
- Standard Compliance with EN50539 Type2 / Type1+2
- Maximum Discharge Current 40 KA
- Certification TUV, CB, CE



Technical Data

Specification		Wiring diagram	
Input	2-1		
Output	1 strings		
Max Voltage	600V	1000V	
Rated Current of DC Breaker	25A	25A	
Max Current Output	63A	40A	
Enclosure	FCDB-EUS		
Material	PC		
Degree of Protection	IP65		
Impacts	IK10		
Dimensions	BX-12: L273*W215*H118mm		
Input Cable Glands	PG09,2.5-16		
Output Cable Gland	PG21,2.5-16		
Environment			
Operating temperature	-20°C- +60°C		
Humidity	99%		
Altitude	2000M		
Installation	Wall Mounting		



PV COMBINER BOX

2 INPUT 2 OUTPUT 600VDC / 1000VDC



Product Application

IP65 DC string box is designed for 2 string PV system. For surge protection and current protection at solar DC side.

DC Breaker

EDB1-63

- UL489B design, IEC60947-2 PV&DC standard
- Over-load, short circuit Protection
- Non Polarity for easier wiring

DC Surge Arrester

EDPG40-2 / EDPAN40-3

- Max Operation Voltage 600V
- Standard Compliance with EN50539 Type2 / Type1+2
- Maximum Discharge Current 40 KA
- Certification TUV, CB, CE



Technical Data

Specification		Wiring diagram
Input	2 strings	<p>The diagram illustrates the internal wiring of the combiner box. It shows two input strings, labeled 'String 1' and 'String 2'. Each string has a positive (+) and negative (-) terminal. The positive terminals are connected to a common positive bus, and the negative terminals are connected to a common negative bus. A DC breaker (Switch) is installed on the positive bus, and a Surge Protection Device (SPD) is connected between the positive and negative buses. The output terminals are labeled 'MPPT' with positive (+) and negative (-) terminals.</p>
Output	2 strings	
Max Voltage	600V	
Rated Current of DC Breaker	15A	
Max Current Output	63A	
Enclosure	FCDB-EUS	
Material		
Degree of Protection	IP65	
Impacts	IK10	
Dimensions	BX-12: L273*W215*H118mm	
Input Cable Glands	PG09,2.5-16	
Output Cable Gland	PG21,2.5-16	
Environment		
Operating temperature	-20°C- +60°C	
Humidity	99%	
Altitude	2000M	
Installation	Wall Mounting	

3 INPUT 1 OUTPUT 600VDC / 1000VDC



Product Application

IP65 DC string box is designed for 3 string PV system. For surge protection and current protection at solar DC side.

DC Breaker

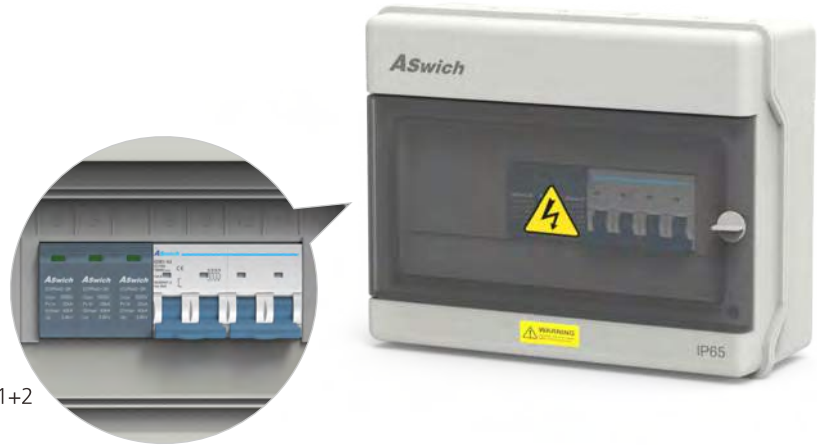
EDB1-63

- UL489B design, IEC60947-2 PV&DC standard
- Over-load, short circuit Protection
- Non Polarity for easier wiring

DC Surge Arrester

EDPN40-3 / EDPAN40-3

- Max Operation Voltage 1000V
- Standard Compliance with EN50539 Type2 / Type1+2
- Maximum Discharge Current 40 KA
- Certification TUV, CB, CE



Technical Data

Specification		3-1		Wiring diagram
Input		3 strings		
Output		1 strings		
Max Voltage		600V	1000V	
Rated Current of DC Breaker		40A	40A	
Max Current Output		63A	40A	
Enclosure		FCDB-EUS		
Material		PC		
Degree of Protection		IP65		
Impacts		IK10		
Dimensions		BX-12: L273*W215*H118mm		
Input Cable Glands		PG09,2.5-16		
Output Cable Gland		PG21,2.5-16		
Environment				
Operating temperature		-20°C- +60°C		
Humidity		99%		
Altitude		2000M		
Installation		Wall Mounting		

PV COMBINER BOX

3 INPUT 3 OUTPUT 600VDC / 1000VDC



Product Application

IP65 DC string box is designed for 3 string PV system. For surge protection and current protection at solar DC side.

DC Breaker

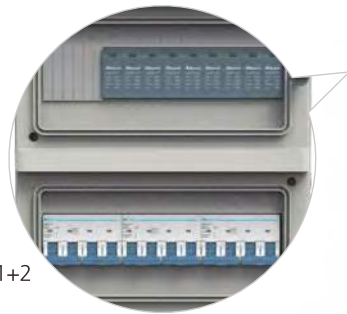
EDB1-63

- UL489B design, IEC60947-2 PV&DC standard
- Over-load, short circuit Protection
- Non Polarity for easier wiring

DC Surge Arrester

EDPN40-3 / EDPAN40-3

- Max Operation Voltage 1000V
- Standard Compliance with EN50539 Type2 / Type1+2
- Maximum Discharge Current 40 KA
- Certification TUV, CB, CE



Technical Data

Specification		3-3		Wiring diagram
Input		3 strings		
Output		3 strings		
Max Voltage		600V	1000V	
Rated Current of DC Breaker		40A	40A	
Max Current Output		63A	40A	
Enclosure		FCDB-EUS		
Material		PC		
Degree of Protection		IP65		
Impacts		IK10		
Dimensions		BX-24: L273*W365*H118mm		
Input Cable Glands		PG09,2.5-16		
Output Cable Gland		PG21,2.5-16		
Environment				
Operating temperature		-20°C- +60°C		
Humidity		99%		
Altitude		2000M		
Installation		Wall Mounting		

4 INPUT 1 OUTPUT 1000VDC



Product Application

Suitable for PV system, equipped with a surge protector and an isolator, providing isolation, leakage and grounding protection.

DC Surge Arrester

EDPN40-3 / EDPAN40-3

- Max Operation Voltage 1000V
- Standard Compliance with EN50539 Type2 / Type1+2
- Maximum Discharge Current 40 KA
- Certification TUV,CB,CE

DC Fuse

EDFHN-32

- LED Indicator or without LED indicator
- Rated Working Voltage 1000V
- Fuse Link 10x38mm LITTEL 15A
- Certification TUV,CB,CE

DC Breaker

EDB1-63

- UL489B design, IEC60947-2 PV&DC standard
- Over-load, short circuit Protection
- Non Polarity for easier wiring



Technical Data

Specification		Wiring diagram
Input	4 strings	<p>String 1 "+" String 2 "+" String 3 "+" String 4 "+" String 1 "-" String 2 "-" String 3 "-" String 4 "-"</p> <p>SPD, Fuse, Switch, MPPT</p>
Output	1 strings	
Max Voltage	1000V	
Max DC Short Circuit Current Per Input	15A(Changeable)	
Max Current Output	63A	
Enclosure	FCDB-EUS	
Material	PC	
Degree of Protection	IP65	
Impacts	IK10	
Dimensions	L273*W365*H118mm	
Cable input Entry	PG09 Cable Gland, 2.5-16mm ²	
Output Cable Gland	PG21,2.5-16mm ²	
Environment		
Operating temperature	-20°C- +60°C	
Humidity	99%	
Altitude	2000M	
Installation	Wall Mounting	

PV COMBINER BOX

4 INPUT 2 OUTPUT 600VDC / 1000VDC



Product Application

IP65 DC string box is designed for 4 string PV system. For surge protection and current protection at solar DC side.

DC Breaker

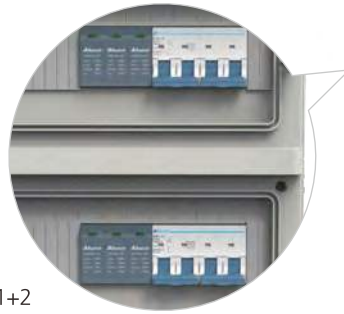
EDB1-63

- UL489B design, IEC60947-2 PV&DC standard
- Over-load, short circuit Protection
- Non Polarity for easier wiring

DC Surge Arrester

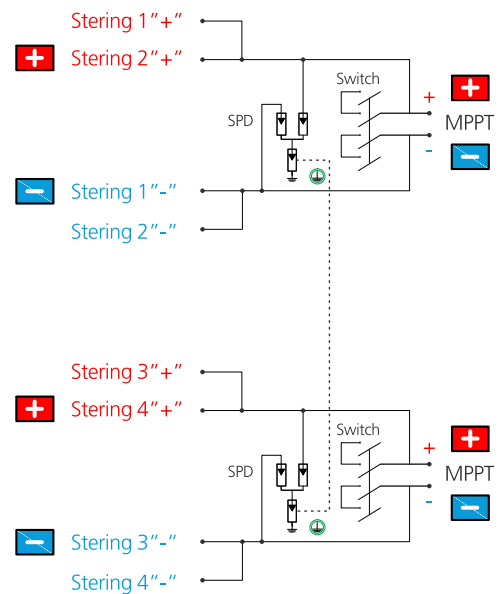
EDPN40-3 / EDPAN40-3

- Max Operation Voltage 1000V
- Standard Compliance with EN50539 Type2 / Type1+2
- Maximum Discharge Current 40 KA
- Certification TUV, CB, CE



Technical Data

Specification		Wiring diagram	
Input	4 strings		
Output	2 strings		
Max Voltage	600V	1000V	
Rated Current of DC Breaker	25A / 25A	25A / 25A	
Max Current Output	63A / 63A	63A / 63A	
Enclosure		FCDB-EUS	
Material	PC		
Degree of Protection	IP65		
Impacts	IK10		
Dimensions	BX-24: L273*W365*H118mm		
Input Cable Glands	PG09,2.5-16		
Output Cable Gland	PG21,2.5-16		
Environment			
Operating temperature	-20°C- +60°C		
Humidity	99%		
Altitude	2000M		
Installation	Wall Mounting		



4 INPUT 4 OUTPUT 1000VDC



Product Application

IP65 DC string box is designed for 4 string PV system. For surge protection and current protection at solar DC side.

DC Breaker

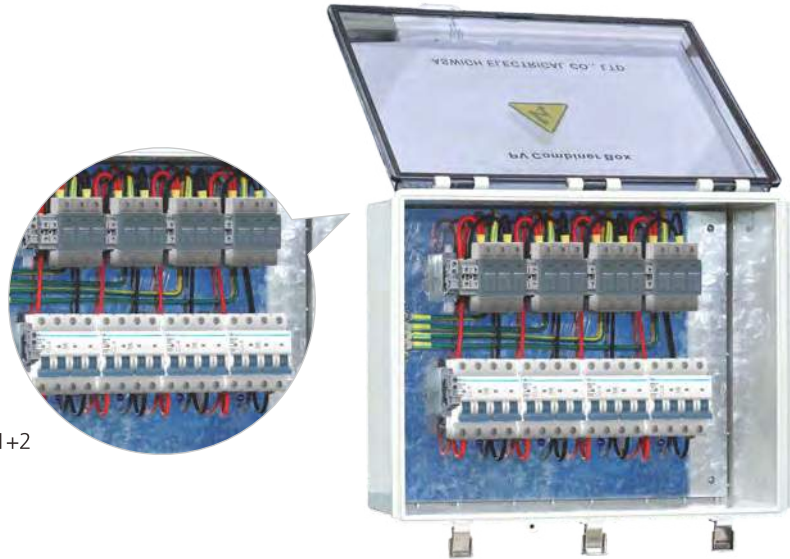
EDB1-63

- UL489B design, IEC60947-2 PV&DC standard
- Over-load, short circuit Protection
- Non Polarity for easier wiring

DC Surge Arrester

EDPN40-3 / EDPAN40-3

- Max Operation Voltage 1000V
- Standard Compliance with EN50539 Type2 / Type1+2
- Maximum Discharge Current 40 KA
- Certification TUV, CB, CE



Technical Data

Specification		Wiring diagram
Input	4-4	
Output	4 strings	
Max Voltage	1000V	
Rated Current of DC Breaker	32A / 32A / 32A / 32A	
Max Current Output	63A / 63A / 63A / 63A	
Enclosure		
Material	PC	
Degree of Protection	IP65	
Impacts	IK10	
Dimensions	L400*W500*H200mm	
Input Cable Glands	PG09,2.5-16	
Output Cable Gland	PG21,2.5-16	
Environment		
Operating temperature	-20°C- +60°C	
Humidity	99%	
Altitude	2000M	
Installation	Wall Mounting	

PV COMBINER BOX

5 INPUT 1 OUTPUT 1000VDC



Product Application

IP65 DC string box is designed for 6 string PV system. For surge protection and current protection at solar DC side.

DC Surge Arrester

EDPN40-3 / EDPAN40-3

- Max Operation Voltage 1000V
- Standard Compliance with EN50539 Type2 / Type1+2
- Maximum Discharge Current 40 KA
- Certification TUV,CB,CE

DC Fuse

EDFHN-32

- LED Indicator or without LED indicator
- Rated Working Voltage 1000V
- Fuse Link 10x38mm LITTEL 15A
- Certification TUV,CB,CE

DC Breaker

EDB1-63

- UL489B design, IEC60947-2 PV&DC standard
- Over-load, short circuit Protection
- Non Polarity for easier wiring



Technical Data

Specification		Wiring diagram
Input	5 strings	<p>String 1 "+" String 2 "+" String 3 "+" String 4 "+" String 5 "+" String 1 "-" String 2 "-" String 3 "-" String 4 "-" String 5 "-"</p> <p>SPD Fuse Switch MPPT</p>
Output	1 strings	
Max Voltage	1000V	
Max DC Short Circuit Current Per Input	15A(Changeable)	
Max Current Output	63A	
Enclosure	FCDB-EUS	
Material	PC	
Degree of Protection	IP65	
Impacts	IK10	
Dimensions	BX-24: L273*W365*H118mm	
Cable input Entry	PG09 Cable Gland, 2.5-16mm ²	
Output Cable Gland	PG21, 2.5-16mm ²	
Environment		
Operating temperature	-20°C - +60°C	
Humidity	99%	
Altitude	2000M	
Installation	Wall Mounting	

6 INPUT 2 OUTPUT 1000VDC



Product Application

IP65 DC string box is designed for 6 string PV system. For surge protection and current protection at solar DC side.

DC Breaker

EDB1-63

- UL489B design, IEC60947-2 PV&DC standard
- Over-load, short circuit Protection
- Non Polarity for easier wiring

DC Surge Arrester

EDPN40-3 / EDPAN40-3

- Max Operation Voltage 1000V
- Standard Compliance with EN50539 Type2 / Type1+2
- Maximum Discharge Current 40 KA
- Certification TUV, CB, CE



Technical Data

Specification		Wiring diagram
	6-2	
Input	6 strings	
Output	2 strings	
Max Voltage	1000V	
Rated Current of DC Breaker	40A / 40A	
Max Current Output	63A / 63A	
Enclosure		
	FCDB-EUS	
Material	PC	
Degree of Protection	IP65	
Impacts	IK10	
Dimensions	BX-24: L273*W365*H118mm	
Input Cable Glands	PG09,2.5-16	
Output Cable Gland	PG21,2.5-16	
Environment		
Operating temperature	-20°C- +60°C	
Humidity	99%	
Altitude	2000M	
Installation	Wall Mounting	

PV COMBINER BOX

6 INPUT 3 OUTPUT 1000VDC



Product Application

IP65 DC string box is designed for 6 string PV system. For surge protection and current protection at solar DC side.

DC Breaker

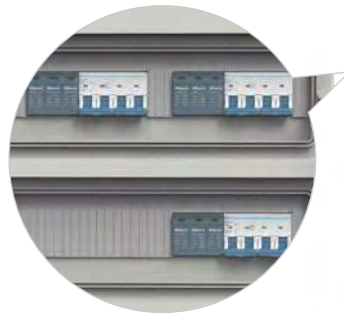
EDB1-63

- UL489B design, IEC60947-2 PV&DC standard
- Over-load, short circuit Protection
- Non Polarity for easier wiring

DC Surge Arrester

EDPN40-3 / EDPAN40-3

- Max Operation Voltage 1000V
- Standard Compliance with EN50539 Type2 / Type1+2
- Maximum Discharge Current 40 KA
- Certification TUV, CB, CE



Technical Data

Specification		Wiring diagram
	6-3	
Input	6 strings	
Output	3 strings	
Max Voltage	1000V	
Rated Current of DC Breaker	40A / 40A / 40A	
Max Current Output	40A / 40A / 40A	
Enclosure	FCDB-EUS	
Material	PC	
Degree of Protection	IP65	
Impacts	IK10	
Dimensions	BX-36: L381*W365*H118mm	
Input Cable Glands	PG09,2.5-16	
Output Cable Gland	PG21,2.5-16	
Environment		
Operating temperature	-20°C- +60°C	
Humidity	99%	
Altitude	2000M	
Installation	Wall Mounting	

6 INPUT 6 OUTPUT 1000VDC



Product Application

IP65 DC string box is designed for 6 string PV system. For surge protection and current protection at solar DC side.

DC Breaker

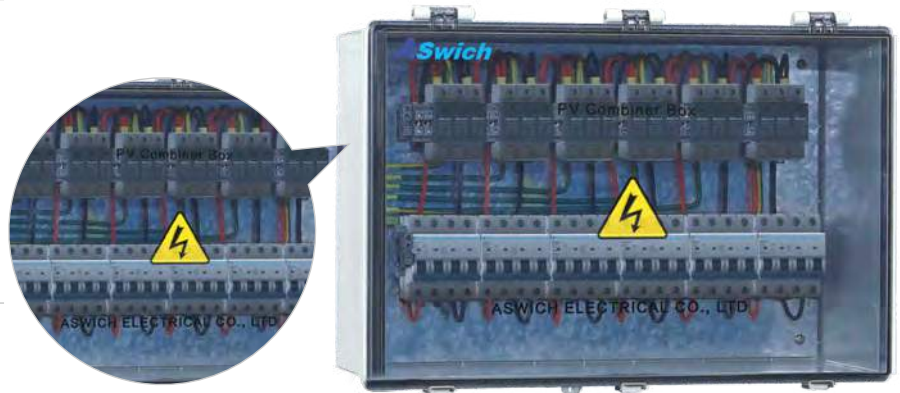
EDB1-63

- UL489B design, IEC60947-2 PV&DC standard
- Over-load, short circuit Protection
- Non Polarity for easier wiring

DC Surge Arrester

EDPN40-3 / EDPAN40-3

- Max Operation Voltage 1000V
- Standard Compliance with EN50539 Type2 / Type1+2
- Maximum Discharge Current 40 KA
- Certification TUV, CB, CE



Technical Data

Specification		Wiring diagram
Input	6 strings	
Output	6 strings	
Max Voltage	1000V	
Rated Current of DC Breaker	32A / 32A / 32A / 32A / 32A / 32A	
Max Current Output	40A / 40A / 40A / 40A / 40A / 40A	
Enclosure		
Material	PC	
Degree of Protection	IP65	
Impacts	IK10	
Dimensions	L400*W600*H230mm	
Input Cable Glands	PG09, 2.5-16	
Output Cable Gland	PG21, 2.5-16	
Environment		
Operating temperature	-20°C - +60°C	
Humidity	99%	
Altitude	2000M	
Installation	Wall Mounting	

- Customized combiner boxes are also acceptable