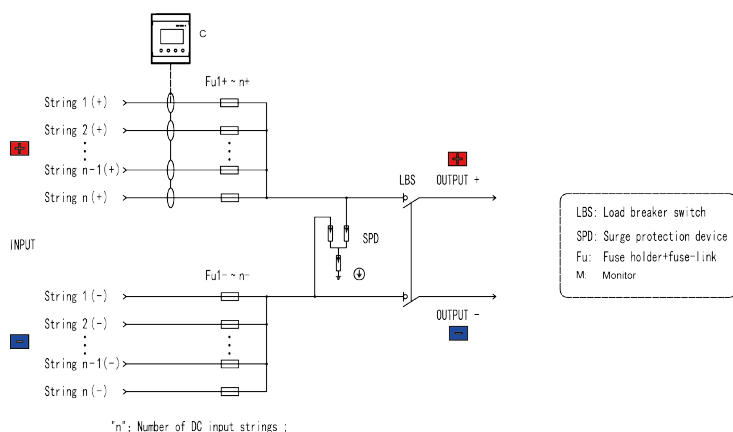




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Power Delivers, Energy Endures

PV Combiner Box - DC 1500V Monitor



Monitor PV Combiner Box

Features



- Finger - safe fuse holders
- 400A or 500A, 1500V load breaker switch
- Plated bus bars rated for 90°C, Cu/Al
- Breather vent reduces internal condensation
- safety insulation shield covers all live components
- Designed for ease of cable installation
- 1500V - specific PV SPD, Type I+II
- NEMA 4X lockable enclosure
- Standard 5 - year warranty
- Compliant with NEC 2017/2020
- Meet UL1741 standard/compliance

Monitor



- Per string current and bus voltage monitoring
- Power, electrical energy monitoring
- Normal and failed status of SPD
- ON and off status of output LBS
- Product internal temperature
- RS 485 communication port/Modbus protocol
- Self - powered, Input voltage: 450 ~ 1500 Vdc
- Input rated current range: 0 ~ 35A
- Wireless communication (Optional)

Flexible



- Pre-installed cable quick connectors
- Pre-installed output/grounding glands
- Pre-installed breather valve
- Pre-installed mounted brackets
- Output cu/Al bus bars: cable cross section area 500 ~ 1000AWG/kcmil, easy 2 - hole output plug access



MODELS	JD-PVMC-16	JD-PVMC-20	JD-PVMC-24
Maximum system voltage	1500 V dc	1500 V dc	1500 V dc
Maximum fuse	Up to 35A	Up to 35A	Up to 35A
Maximum circuit breaker rating	400A (external handle+AX)	500A (external handle+AX)	500A (external handle+AX)
Number of Dc input circuits	16	20	24
Input cable	8 ~ 12AWG	8 ~ 12AWG	8 ~ 12AWG
Output cable	2* (1*500 ~ 800) AWG/kcmil Cu or Al	2* (1*800 ~ 1000) AWG/kcmil Cu or Al	2* (1*800 ~ 1000) AWG/kcmil Cu or Al
Grounding cable	1/0 ~ 6AWG	1/0 ~ 6AWG	1/0 ~ 6AWG
SPD	Type II, max: 40KA	Type II, max: 40KA	Type II, max: 40KA
	limp: 6.25KA, Uc: 1500V	limp: 6.25KA, Uc: 1500V	limp: 6.25KA, Uc: 1500V
Enclosure	NEMA 4X	NEMA 4X	NEMA 4X
Maximum air ambient	50°C	50°C	50°C
Enclosure size (inches, W*H*D)	36"*28"*10" (a)	36"*28"*10" (a)	36"*28"*10" (a)
Weight (pounds)	107lbs	107lbs	110lbs

(a) Refer to the project drawings for the final dimensions please note dimensions and weight may vary for any custom solutions

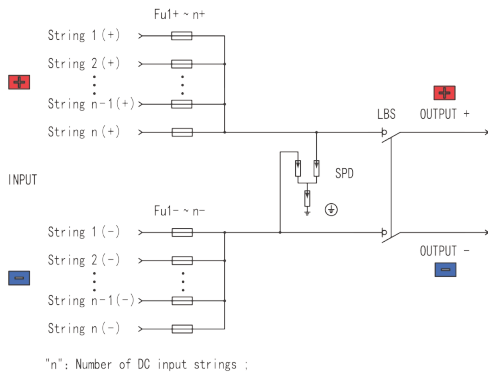
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PV Combiner Box - DC 1500V Dual-fused



LBS: Load breaker switch
SPD: Surge protection device
Fu: Fuse holder+fuse-link



Dual-fused PV Combiner Box

About



The JunDa Dual - fuse PV Combiner Box is compliant with NEC 2017/2020 and is used to combine per string up to a 35A fuse - link (1500V - specific PV fuse, both positive and negative terminal), output circuit breaker rating 400A or 500A.

In a photovoltaic power generation system, a device that combines several PV string parallel for one output. Used between PV modules and inverter. NEMA 4X enclosure ratings, meeting the outdoor installation and usage requirements. Installation and maintenance simple, convenient, it has a long service life.

Features



- Finger - safe fuse holders
- 400A or 500A, 1500V load breaker switch
- Plated bus bars rated for 90°C, Cu/Al
- Breather vent reduces internal condensation
- Safety insulation shield covers all live components
- Designed for ease of cable installation
- 1500V - Specific PV SPD, Type II
- NEMA 4X lockable enclosure
- Standard 5 - year warranty
- Compliant with NEC 2017/2020
- Meet UL1741 standard/compliance

Flexible



- Pre - installed input glands or MC4 terminal connectors
- Pre - installed output/grounding glands
- Pre - installed breather valve
- Pre - installed mounted brackets
- Output Cu/Al bus bars: cable cross section area 500 ~ 1000AWG/kcmil, easy 2 - hole output plug access



MODELS	JD-PVDF-16	JD-PVDF-20	JD-PVDF-24
Maximum system voltage	1500 V dc	1500 V dc	1500 V dc
Maximum fuse	Up to 35A	Up to 35A	Up to 35A
Maximum circuit breaker rating	400A (external handle+AX)	500A (external handle+AX)	500A (external handle+AX)
Number of Dc input circuits	16	20	24
Input cable	8 ~ 12AWG	8 ~ 12AWG	8 ~ 12AWG
Output cable	2* (1*500 ~ 800) AWG/kcmil Cu or Al	2* (1*800 ~ 1000) AWG/kcmil Cu or Al	2* (1*800 ~ 1000) AWG/kcmil Cu or Al
Grounding cable	1/0 ~ 6AWG	1/0 ~ 6AWG	1/0 ~ 6AWG
SPD	Type II, max: 40KA	Type II, max: 40KA	Type II, max: 40KA
	limp: 6.25KA, Uc: 1500V	limp: 6.25KA, Uc: 1500V	limp: 6.25KA, Uc: 1500V
Enclosure	NEMA 4X	NEMA 4X	NEMA 4X
Maximum air ambient	50°C	50°C	50°C
Enclosure size (inches, W*H*D)	36"*28"*10" (a)	39"*28"*10" (a)	39"*28"*10" (a)
Weight (pounds)	99lbs	99lbs	105lbs

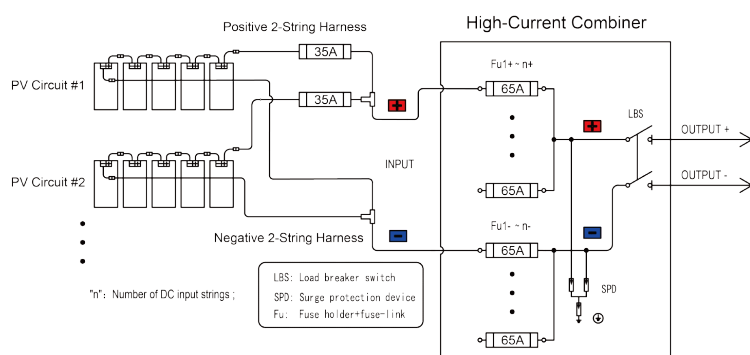
(a) Refer to the project drawings for the final dimensions please note dimensions and weight may vary for any custom solutions

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PV Combiner Box - DC 1500V High-current



High-current PV Combiner Box

About



The JunDa High Current PV Combiner Box is compliant with NEC 2017/2020 and is used to combine multiple strings per circuit up to a 65A fuse - link (1500V - specific PV fuse, both positive and negative terminal), output circuit breaker rating 400A or 500A.

NEMA 4X enclosure ratings, meeting the outdoor installation and usage requirements. Installation and maintenance simple, convenient, it has a long service life.

Features



- Finger - safe fuse holders
- 400A or 500A, 1500V load breaker switch
- Plated bus bars rated for 90°C, Cu/Al
- Breather vent reduces internal condensation
- Safety insulation shield covers all live components
- Designed for ease of cable installation
- 1500V - Specific PV SPD, Type II
- NEMA 4X lockable enclosure
- Standard 5 - year warranty
- Compliant with NEC 2017/2020
- Meet UL1741 standard/compliance

Flexible



- Pre - installed input glands or MC4 terminal connectors
- Pre - installed output/grounding glands
- Pre - installed breather valve
- Pre - installed mounted brackets
- Output Cu/Al bus bars: cable cross section area 500 ~ 1000AWG/kcmil, easy 2 - hole output plug access



MODELS	JD-PVHC-8	JD-PVHC-10	JD-PVHC-12
Maximum system voltage	1500 V dc	1500 V dc	1500 V dc
Maximum fuse	Up to 65A	Up to 65A	Up to 35A
Maximum circuit breaker rating	400A (external handle)	500A (external handle)	500A (external handle)
Number of Dc input circuits	8	10	12
Input cable	1 ~ 8AWG	1 ~ 8AWG	1 ~ 8AWG
Output cable	2* (1*500 ~ 800) AWG/kcmil Cu or Al	2* (1*800 ~ 1000) AWG/kcmil Cu or Al	2* (1*800 ~ 1000) AWG/kcmil Cu or Al
Grounding cable	1/0 ~ 6AWG	1/0 ~ 6AWG	1/0 ~ 6AWG
SPD	Type II, max: 40KA	Type II, max: 40KA	Type II, max: 40KA
	limp: 6.25KA, Uc: 1500V	limp: 6.25KA, Uc: 1500V	limp: 6.25KA, Uc: 1500V
Enclosure	NEMA 4X	NEMA 4X	NEMA 4X
Maximum air ambient	50°C	50°C	50°C
Enclosure size (inches, W*H*D)	28"*28"*10" (a)	36"*28"*10" (a)	36"*28"*10" (a)
Weight (pounds)	90lbs	90lbs	100lbs

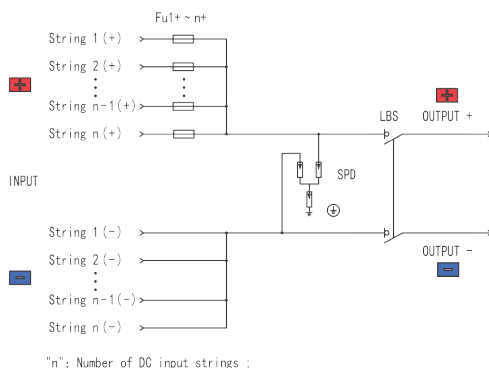
(a) Refer to the project drawings for the final dimensions please note dimensions and weight may vary for any custom solutions

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PV Combiner Box - DC 1500V Standard



LBS: Load breaker switch
SPD: Surge protection device
Fu: Fuse holder+ fuse-link
(Positive side)



Standard PV Combiner Box

About



The JunDa Standard PV Combiner Box is compliant with NEC 2017/2020 and is used to combine per string up to a 35A fuse - link (1500V - specific PV fuse, positive terminal), output circuit breaker rating 400A or 500A.

In a photovoltaic power generation system, a device that combines several PV string parallel for one output. Used between PV modules and inverter.

NEMA 4X enclosure ratings, meeting the outdoor installation and usage requirements. Installation and maintenance simple, convenient, it has a long service life.

Features



- Finger - safe fuse holders
- 400A or 500A, 1500V load breaker switch
- Plated bus bars rated for 90°C, Cu/Al
- Breather vent reduces internal condensation
- Safety insulation shield covers all live components
- Designed for ease of cable installation
- 1500V - Specific PV SPD, Type II
- NEMA 4X lockable enclosure
- Standard 5 - year warranty
- Compliant with NEC 2017/2020
- Meet UL1741 standard/compliance

Flexible



- Pre-installed input glands or MC4 terminal connectors
- Pre - installed output/grounding glands
- Pre - installed breather valve
- Pre - installed mounted brackets
- Output Cu/Al bus bars: cable cross section area 500 ~ 1000AWG/kcmil, easy 2 - hole output plug access



MODELS	JD-PVSC-16	JD-PVSC-20	JD-PVSC-24
Maximum system voltage	1500 V dc	1500 V dc	1500 V dc
Maximum fuse	Up to 35A	Up to 35A	Up to 35A
Maximum circuit breaker rating	400A (external handle)	500A (external handle)	500A (external handle)
Number of Dc input circuits	16	20	24
Input cable	8 ~ 12AWG	8 ~ 12AWG	8 ~ 12AWG
Output cable	2* (1*500 ~ 800) AWG/kcmil Cu or Al	2* (1*800 ~ 1000) AWG/kcmil Cu or Al	2* (1*800 ~ 1000) AWG/kcmil Cu or Al
Grounding cable	1/0 ~ 6AWG	1/0 ~ 6AWG	1/0 ~ 6AWG
SPD	Type II, max: 40KA	Type II, max: 40KA	Type II, max: 40KA
	limp: 6.25KA, Uc: 1500V	limp: 6.25KA, Uc: 1500V	limp: 6.25KA, Uc: 1500V
Enclosure	NEMA 4X	NEMA 4X	NEMA 4X
Maximum air ambient	50°C	50°C	50°C
Enclosure size (inches, W*H*D)	36"*28"*10" (a)	39"*28"*10" (a)	39"*28"*10" (a)
Weight (pounds)	90lbs	90lbs	100lbs

(a) Refer to the project drawings for the final dimensions please note dimensions and weight may vary for any custom solutions

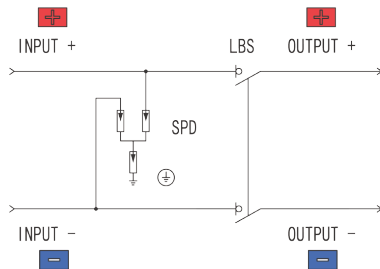
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PV Disconnect Box - DC 1500V



LBS: Load breaker switch
SPD: Surge protection device



Disconnect Box

About



The JunDa Disconnect Box is compliant with NEC 2017/2020 and is used to disconnect inverter input circuits; circuit breaker rating 400A or 500A can be customized to fit the solar custom's specific needs. Disconnect Box can service a single inverter with one input and help meet NEC disconnect servicing requirements.

NEMA 4X enclosure ratings, meeting the outdoor installation and usage requirements. Installation and maintenance simple, convenient, it has a long service life.

Features



- 400A or 500A, 1500V load breaker switch
- Plated bus bars rated for 90°C, Cu/Al
- Breather vent reduces internal condensation
- Safety insulation shield covers all live components
- Designed for ease of cable installation
- 1500V - Specific PV SPD, Type II
- NEMA 4X lockable enclosure
- Standard 5 - year warranty
- Compliant with NEC 2017/2020
- Meet UL1741 standard/compliance

Flexible



- Pre - installed input/output/grounding glands
- Pre - installed breather valve
- Pre - installed mounted brackets
- Output Cu/Al bus bars: cable cross section area 500~1000AWG/kcmil, Easy 2 - hole output plug access
- Dual output lug (options)



MODELS	JD-PVDB-1-400	JD-PVDB-1-500
Maximum system voltage	1500 V dc	1500 V dc
Maximum circuit breaker rating	400A (external handle)	500A (external handle)
Number of Dc input circuits	1	1
Number of Dc output circuits	1	1
Input cable	2* (1*500 ~ 800) AWG/kcmil Cu or Al	2* (1*800 ~ 1000) AWG/kcmil Cu or Al
Output cable	2* (1*500 ~ 800) AWG/kcmil Cu or Al	2* (1*800 ~ 1000) AWG/kcmil Cu or Al
Grounding cable	1/0 ~ 6AWG	1/0 ~ 6AWG
SPD	Type II, max: 40KA	Type II, max: 40KA
	limp: 6.25KA, Uc: 1500V	limp: 6.25KA, Uc: 1500V
Enclosure	NEMA 4X	NEMA 4X
Maximum air ambient	50°C	50°C
Enclosure size (inches, W*H*D)	22"*26"*9" (a)	22"*26"*9" (a)
Weight (pounds)	71lbs	71lbs

(a) Refer to the project drawings for the final dimensions please note dimensions and weight may vary for any custom solutions

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