

PV Accessories and Equipment



BENY
Jonsson Advanced Product Technology



DC Switches

For Solar Application



DC Circuit Breakers

The Safest Model



DC Surge Protection Device

According to Solar Product Standard EN50539



DC Isolator Switch

PV Fuses and Fuse Holders

10 x 38 mm Fuse links

1 - 20 A, 1000 VDC

Catalogue number	Description	Rated current (Amps)	Rated voltage	Material price group	Pack qty	MOQ	Fuse holders
PV-1A10F	Cylindrical	1	1000 VDC	OG	10	10	CHPV1U
PV-2A10F	Cylindrical	2	1000 VDC	OG	10	10	CHPV1U
PV-3A10F	Cylindrical	3	1000 VDC	OG	10	10	CHPV1U
PV-4A10F	Cylindrical	4	1000 VDC	OG	10	10	CHPV1U
PV-5A10F	Cylindrical	5	1000 VDC	OG	10	10	CHPV1U
PV-6A10F	Cylindrical	6	1000 VDC	OG	10	10	CHPV1U
PV-8A10F	Cylindrical	8	1000 VDC	OG	10	10	CHPV1U
PV-10A10F	Cylindrical	10	1000 VDC	OG	10	10	CHPV1U
PV-12A10F	Cylindrical	12	1000 VDC	OG	10	10	CHPV1U
PV-15A10F	Cylindrical	15	1000 VDC	OG	10	10	CHPV1U
PV-20A10F	Cylindrical	20	1000 VDC	OG	10	10	CHPV1U



CHPV Fuse holders - 10 x 38 mm

32 A, 1000 VDC, Without indicator

Catalogue number	Number of poles	Rated current (Amps)	Rated voltage	Material price group	Pack qty	MOQ	Fuses
CHPV1U	1-Pole	32	1000 VDC	QR	12	12	PV-A10F
CHPV2U	2-Pole	32	1000 VDC	QR	12	12	PV-A10F



32 A, 1000 VDC, With indicator

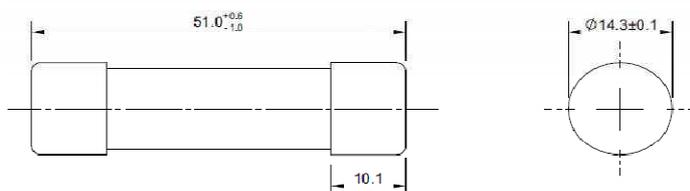
Catalogue number	Number of poles	Rated current (Amps)	Rated voltage	Material price group	Pack qty	MOQ	Fuses
CHPV1IU	1-Pole	32	1000 VDC	QR	12	12	PV-A10F
CHPV2IU	2-Pole	32	1000 VDC	QR	12	12	PV-A10F



14 x 51 mm Fuse links

15 - 32 A, 1000 and 1100 VDC

Catalogue number	Description	Rated current (Amps)	Rated voltage	Material price group	Pack qty	MOQ
PV-15A14F	Cylindrical	15	1100 VDC	OG	10	10
PV-20A14F	Cylindrical	20	1100 VDC	OG	10	10
PV-25A14F	Cylindrical	25	1000 VDC	OG	10	10
PV-32A14F	Cylindrical	32	1000 VDC	OG	10	10



NH PV Fuse links

32 - 400 A, 1000 VDC

Catalogue number	Description	Rated current (Amps)	Rated voltage	Material price group	Pack qty	MOQ
PV-32ANH1	NH Body size 1	32	1000 VDC	PU	3	3
PV-40ANH1	NH Body size 1	40	1000 VDC	PU	3	3
PV-50ANH1	NH Body size 1	50	1000 VDC	PU	3	3
PV-63ANH1	NH Body size 1	63	1000 VDC	PU	3	3
PV-80ANH1	NH Body size 1	80	1000 VDC	PU	3	3
PV-100ANH1	NH Body size 1	100	1000 VDC	PU	3	3
PV-125ANH1	NH Body size 1	125	1000 VDC	PU	3	3
PV-160ANH1	NH Body size 1	160	1000 VDC	PU	3	3
PV-200ANH1	NH Body size 1	200	1000 VDC	PU	3	3
PV-250ANH2	NH Body size 2	250	1000 VDC	PU	3	3
PV-300ANH3	NH Body size 3	300	1000 VDC	PU	3	3
PV-315ANH3	NH Body size 3	315	1000 VDC	PU	3	3
PV-350ANH3	NH Body size 3	350	1000 VDC	PU	3	3
PV-355ANH3	NH Body size 3	355	1000 VDC	PU	3	3
PV-400ANH3	NH Body size 3	400	1000 VDC	PU	3	3



NH Bases

250 - 630 A, 1000 VDC

Catalogue number	Compatible fuse link size	Number of poles	Rated current (Amps)	Material price group	Pack qty	MOQ
SD1-D-PV	NH PV Size 1	1-pole	250	QV	3	3
SD2-D-PV	NH PV Size 2	1-pole	400	QV	3	3
SD3-D-PV	NH PV Size 3	1-pole	630	QV	3	3

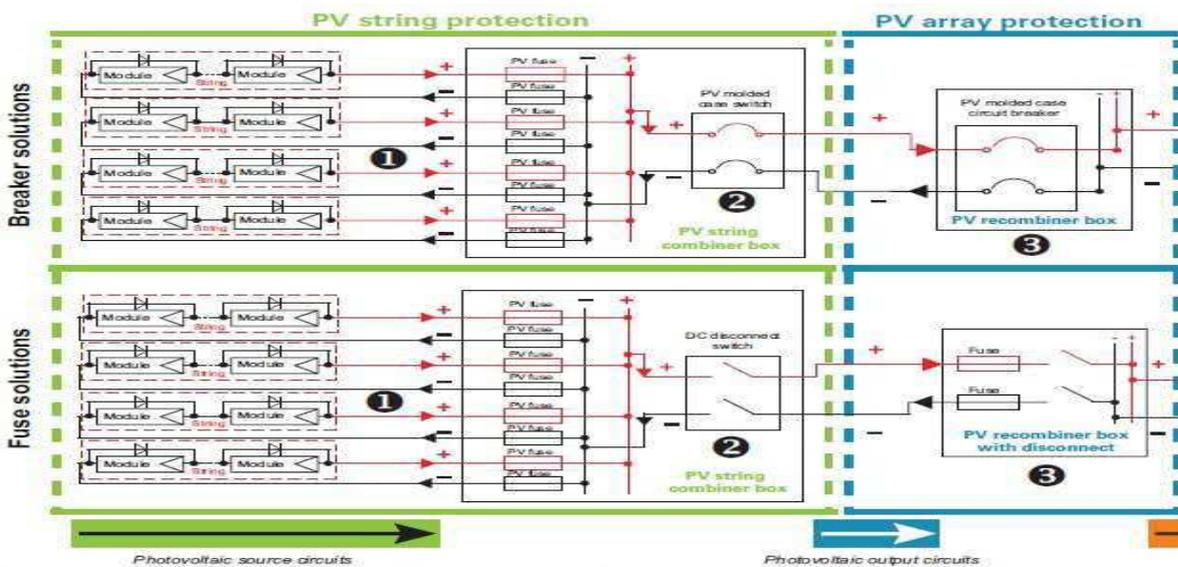
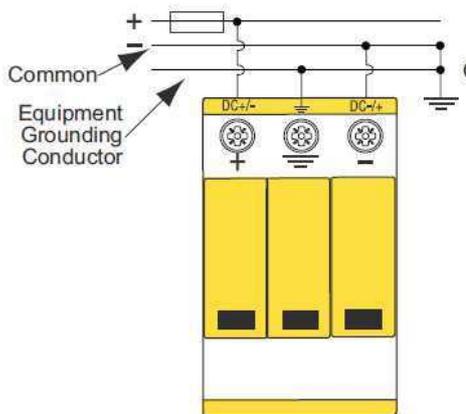
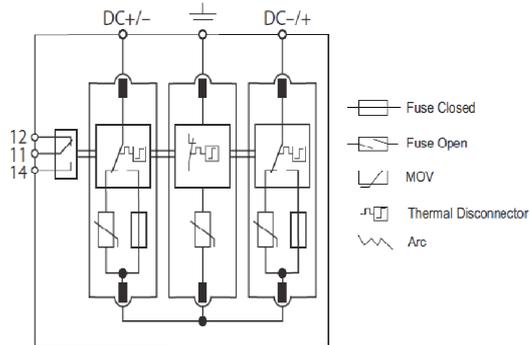


Figure 1: PV powered distribution network with NEC[®] defined circuits designated by arrows.



Pv surge protection

Module Circuit Diagrams



MC4 Connectors and Cable Accessories



DC Isolators/Breakers

Type	BYS-32	BYS-32BC4		
Function	Isolator, Control			
Comply with	IEC60947-3			
Pole	4P	6P	4P	6P
Max Rated Current	32A			
Rated Working Voltage	1200V DC	1500V DC	1200V DC	1500V DC
Rated Current	16A/25A/32A			
Rated Insulated Voltage	1500V DC			
Application	DC-21B			
Category	DC-21B			
Service Life/Cycle Operation				
Mechanical	10000			
Electrical	1000			
Isolator Function	Yes			
Installation Environment				
Ingress Protection	IP66			
Storage Temperature	-30°C~+70°C			

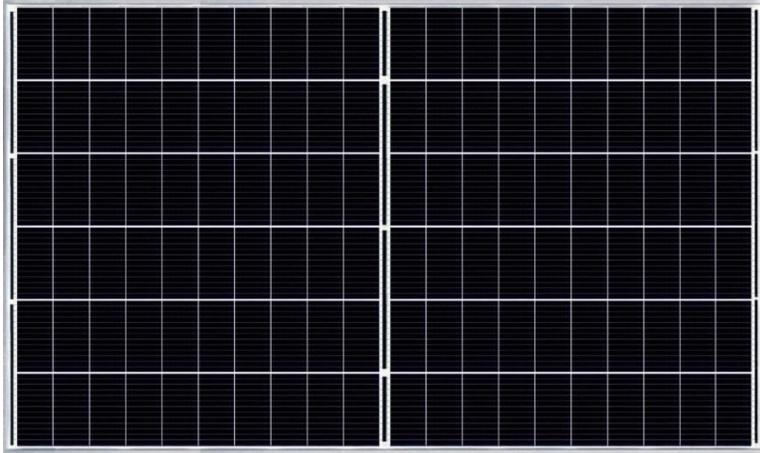


Electrical Characteristics		BB 1-63			
Type	BB 1-63				
Comply with	IEC60947-2/GB14048.2				
Pole:	1P	2P	3P	4P	
Rated Working Voltage Ue:	300V DC	600V DC	900V DC	1200V DC	
Max Rated Current	63A				
Rated Current In	3A, 4A, 6A, 10A, 13A, 16A, 20A, 25A, 32A, 40A, 50A, 63A				
Rated Insulated Voltage Ui	1200V DC				
Rated Impulse Voltage Uimp	4KV				
Type of Breaking	H				
Ultimate Breaking Capacity Icu	6KA				
Run Breaking Capacity Ics	100%				
Curve Type	B				
Tripping Type	Thermal Magnetic Type				
Service Lifecycle Operation					
Mechanical	Actual Value	20000			
	Standard Value	8500			
Electrical	Actual Value	4000			
	Standard Value	1500			
Installation Environment:					
Ingress Protection	All Sides IP40 ,Connection Terminal IP20				
Terminal Cross Section	2.5-25mm ²				
Working Temperature	-25°C~+70°C				
Storage Temperature	-40°C~+85°C				
Resistance to Humidity And Heat	II (when Humidity arrived to 55%,Relative Humidity95%)				
Resistance to Shock	2.6 IEC60068				
Resistance to Impact	2.27 IEC60068				



Combiner boxes





Our stock of Solar panels includes a wide range of both Polycrystalline and Monocrystalline.

We strive to only have the best panels in terms of efficiency and price.

Please contact us to get the latest prices and stock availability



We strive to stock everything needed in a typical solar installation

Please contact us for any requirements

19 INCH RACK UNIT BATTERY MODULES

- Offers up to 10 times longer cycle life and 5 times longer calendar life than lead acid.
- 40% of the weight of a comparable lead acid battery.
- Delivers twice power of lead acid battery, even higher discharge rate.
- Without risk of explosion or fire for safety use.
- No memory effect.



Product Specification				
Model No.	YP 2U-4850 YP 2U-5150	YP 4U-48100 YP 4U-51100	YP 5U-48150 YP 5U-51150	YP 5U-48200 YP 5U-51200
Voltage	48V/51.2V			
Combination	15S/16S 1-4P			
Capacity	50AH	100AH	150AH	200AH
Energy	2.4KWH	5KWH	7KWH	10KWH
Weight	23/28KG	46/49KG	64/72KG	83/90KG
Cell	3.2V 50AH UL1642			
BMS	Built - in Battery Management System			
Connectors	Waterproof connector			
Dimension	442x480x88mm	483x460x178mm	483x620x178mm	483x680x178mm
Cycles (80% DOD)	6000 cycles			
Depth of discharge	Upto 100%			
Lifetime	10 years			
Standard charge	20A	50A	50A	50A
Standard discharge	20A	50A	50A	50A
Maximum continuous charge	50A	100A	100A	120A
Maximum continuous discharge	50A	100A	100A	120A
Operation temperature	Charge: 0-45°C, Discharge: -20--55°C			
Storage temperature	Keep at -20 to 65°C			
Protection standard	Ip21			
Cut off voltage	45V			
Max.charging voltage	54V			
Memory effect	None			
Maintenance	Maintenance free			
Compatibility	Compatible with all standard ofgrid inverters and charge controllers. Battery to inverter output sizing keep 2:1 ratio.			
Warranty Period	5-10 Years			
Remarks	Youth Power rack battery BMS must be wired in parallel only. Wiring in series will void the warranty. Allow max. 14 units in parallel to expand more capacity.			