

1、 Data Sheet

Electrical Data

Maximum Operating Voltage (Un)	750V DC
Rated Insulation Voltage (Ui)	800V DC
Rated Impulse Voltage (Uimp)	6kV
Maximum input current per battery tower	40A
Maximum output current	50A
Rated current (In):	60A
Rated short-time withstand current (Icw)	10kA
Pollution degree	3
Holder Type	Rail Mounting
Fuse Type	80A-110x35x67-1300 VDC
Circuit breaker Type	63A-98x53x72-900V

Environment Data

Ambient temperature during normal operation	-25~+70°C
Ambient temperature during storage	-40~+85°C
Humidity	≤85%
Altitude	≤4000 m

DC Input Data

Maximum number of battery towers	3
Input cable glands entry	3-M25P
Input connection	Directly on terminal blocks
DC conductor cross-section	0.2 mm ² to 16 mm ²
Ground cable cross-section	10 mm ² to 16 mm ²

DC Output Data

Output cable glands entry	2-M25P
Input connection	Directly on terminal blocks
DC conductor cross-section	0.2mm ² to 16 mm ²
Ground cable cross-section	10 mm ² to 16 mm

2. Appearance and size

2.1 Appearance

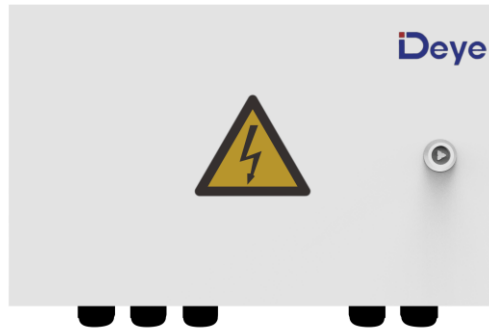


Figure1

2.1 Dimensions of the Combiner Box

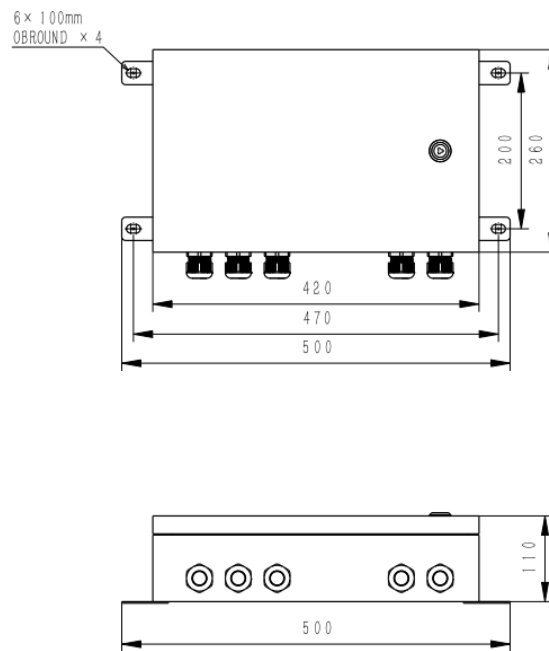


Figure2

3、Electrical Connection

3.1 Electrical diagram

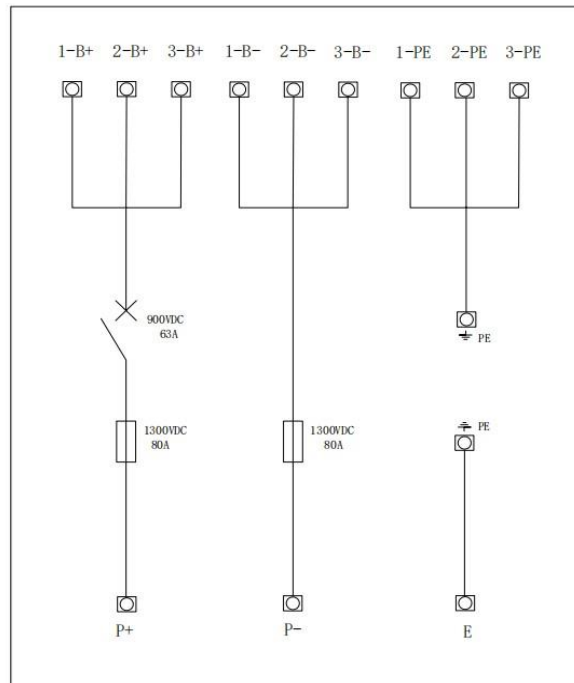


Figure4

3.2 Overview of the Connection Area

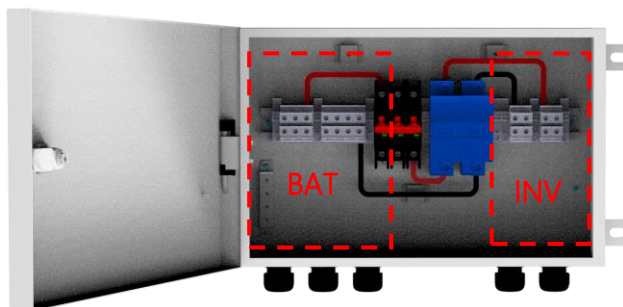


Figure5

Area BAT: connect to battery

Area INV: connect to inverter