

JLCB-M-01 series PV combiner box

Metal style 6 in 1 out-24 in 1 out



1. General

The **JLCB-M-01 series PV combiner box**, supporting up to 24 inputs, is designed to provide overcurrent and overvoltage protection, enhancing the safety and reliability of inverters operating in solar power systems with a maximum DC input voltage of 1000V.

Engineered in strict compliance with the **CGC/GF 037:2014** standard, the combiner box is constructed from **cold-rolled steel** and offers a high level of protection with a **waterproof rating of IP65**. Each unit undergoes rigorous testing for temperature rise, impact resistance, and UV protection to ensure durability and long-term performance.

Custom configurations are available upon request to meet specific user requirements.

2. Specifications

Model	4/1	6/1	8/1	10/1	12/1	14/1	16/1	18/1	20/1	22/1	24/1
Electric Parameter											
Number of Inputs strings	4	6	8	10	12	14	16	18	20	22	24
Output max power	32kw	32kw	125kw	125kw	160kw	225kw	250kW	275kW	300kW	315kW	350KW
Max.Rated Voltage DC	1000V										
Material of Box	Metal										
Maximum input current for each string	15A										
Maximum output switch current	20A	20A/32A	125A	125A	160A	225A	250A	275A	300A	315A	350
Number of Outputs strings	1										
Lightening Protection											
Category of test	II grade protection										
Nominal discharge current	20kA										
Maximum discharge current	40kA										
Poles of DC surge protector	3Poles										
Voltage protection level Up	3.8kV										
Maximum continuous operating voltage Uc	1050V										
Structure Characteristic	Plug-push module										
Product system											
Protection grade	IP65										
Solar connector EMC4	Standard										
PG gland	Standard										

DC fuse	Standard
DC SPD	Standard
DC circuit breaker	Standard
Monitoring module	Optional
Anti reverse diode	Standard
Installation method	Surface mounting type
Ambient temperature range	-25°C~+55°C
Altitude	2000m
Permissible relative humidity	0-95% no condensation
Number of Inputs strings	Lightening Protection

3. Connection Diagram