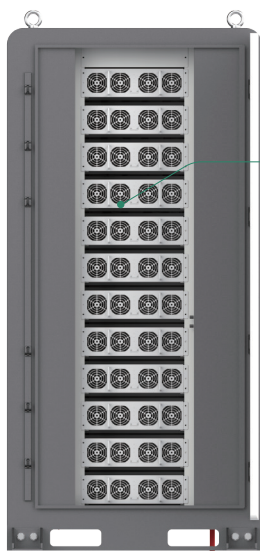
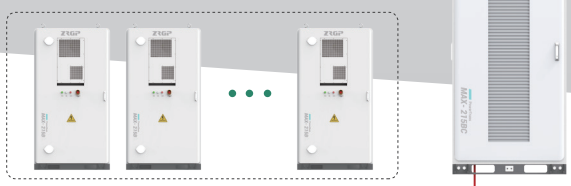


# PowerTrans MAX-215BC

## PV Combiner Cabinet (for MAX-215B)

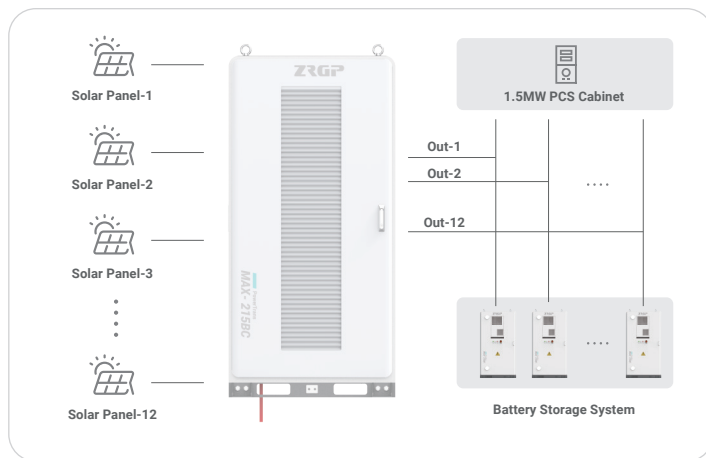
The "MAX-215BC" is tailored for the ZRGP "MAX-215B" pure battery cabinet, functioning as a crucial photovoltaic combiner box. This innovative system improves energy collection efficiency by seamlessly integrating multiple photovoltaic arrays.

One PV Combiner Cabinet can support up to 12 MAX-215B.



MPPT Module

## System Layout



POWER STATION



PHOTOVOLTAIC POWER STATION



INDUSTRIAL PARK

## ■ Main Parameters

PV Input	PTM360PDCDO
Input Voltage(Vdc)	300~825
The Max. Static Voltage Borneunder No Operation(Vdc)	900
Rated Voltage(Vdc)	700
MPPT Operating Voltage Range(Vdc)	300~740
MPPT Full Load Voltage Range(Vdc)	650~740
MPPT Starting Voltage(V)	375
MPPT Efficiency	> 99.5%(MPP≥5000W)
Max. Input Current(Adc)	50*12
Number of MPPT	12
No. of PV Strings per MPP Trackers	4
DC Output	
Individual Module Output Power(kW)	30
Max. Number of Modules	12
Total Output Power(kW)	360
Output Voltage Range(Vdc)	150 ~ 1000
Output Current Range(Adc)	0~100@Per MPPT
Voltage Regulation Accuracy	<±0.5%(150~1000V, 0~20MHz)
Precision of Steady Current	≤±1%(Output load 20% ~ 100%)
Load Regulation	≤±0.5%
Source Adjustment Rate	≤±0.1%(The test range is 650V~825V)
Start the Overshoot	≤±3%
Voltage Ripple Factor	≤1%(150~1000V, 0~20MHz)
System Characteristic	
Communication Interface	CAN bus, LAN
Warranty	3 years free, paid from the 4th to the 15th year
EMC/EMI	EN61851-21-2, class B
Safety	UL2202, EN61851-1, EN61851-23
General Parameters	
Type of Cooling	Forced Air-cooling
Dimensions (W*D*H)	1120*1220*2170mm / 44*48*85.4in
Total Weight	1100kg / 2425lb
Altitude	<2000m
Noise Level @1m	<75 dB(A)
IP Rating	IP54
Operating Temperature	-40°C~75°C(above 55°C needs to be reduced)
Storage Temperature	-40°C~70°C
Relative Humidity	≤95%RH, non-condensing

## ■ Packaging & Shipping Details

