

ZRGP

38kWh PowerBase MAX-DC

PBM038015D0



PowerBase Max-DC38

Battery Energy Storage

Cell Type	LFP 3.2V/100AH
Module Combination	1P30S
System Combination	4modules in series
Capacity (kWh)	38
Nominal Voltage (V)	384
Voltage Range (Vdc)	351.6~426
Discharge Depth	80% DoD
Service Life	>8000 cycles@80%DoD

PV Input

Topology	Isolation
Input Voltage(V)	300~825
Starting Voltage(V)	375
Max Input Current(A)	50
Rated Power (kW)	30
Number of MPPT	1
No. of PV Strings per MPP Trackers	4

DCDC Output:

	Optional 1	Optional 2
Voltage Range (V)	351.6~426	150~1000
Current Range(A)	0~95	0~100
Rated Current (A)	95	50
Maximum Load Power(kW)	20	15
Load Regulation	<+0.5%	
Stable Current Accuracy	<+1%(output load 20%~100% rated range)	

System Characteristic

Communication Interface	CAN, RS485, Wi-Fi, LTE
Cycle Life	8000 times @ 80% DoD
Warranty	3 years free, paid from the 4th to the 15th year
Protective Function	Overcharge, Overdischarge, Overcurrent, High Temperature, Low Temperature, Short Circuit, etc.

Alarm & Protection

Input/Output Voltage Protection	Over/under voltage will automatic shut down and restart when voltage return to normal
Over Current/ Short Circuit Protection	Automatic shutdown and lock, need power off to restart to unlock
Over Temperature Protection	Automatic shutdown, automatic restart when the temperature return to normal

General Parameters

Dimensions(W*D*H)	657*780*1570mm / 26*31*62in
Total Weight	660kg / 1455lb
Operation Altitude	2000m / 6561ft
IP Rating	IP54
Operating Temperature	0°C to 55°C (Optional: -20°C to 55°C)
Operating Humidity (RH)	0 to 95%
Storage Conditions	-20°C to 30°C Up to 95% RH, non-condensing State of Energy (SoE): 50% initial

Features

Widely Used

Battery input and output are fully isolated and have a wide voltage range, the output voltage point can be set to any value within the range, a wide range of applications, flexible, suitable for most DC energy storage application scenarios.

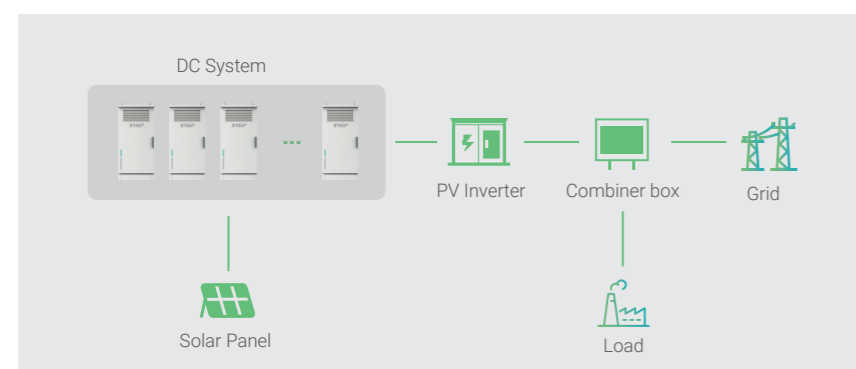
Long Lifespan

The Max-DC has a design lifespan of over 10 years, making it long lasting. This means you can rely on your energy storage system for years to come without the need for expensive replacement cost

Secure and Reliable

The PV input and DC output of the battery system are completely isolated, making the system more secure and reliable.

System layout



ZRGP Lithium Battery

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