

## MPPT DC Combiner System

# KS-600MPC



### ADVANCED MPPT TRACKING

- Multi-channel tracking for maximum power point.
- Improves PV efficiency in all conditions.



### DYNAMIC POWER CONTROL

- Seamless PCS & EMS integration.
- Optimizes energy flow and output.



### COMPLETE DC PROTECTION

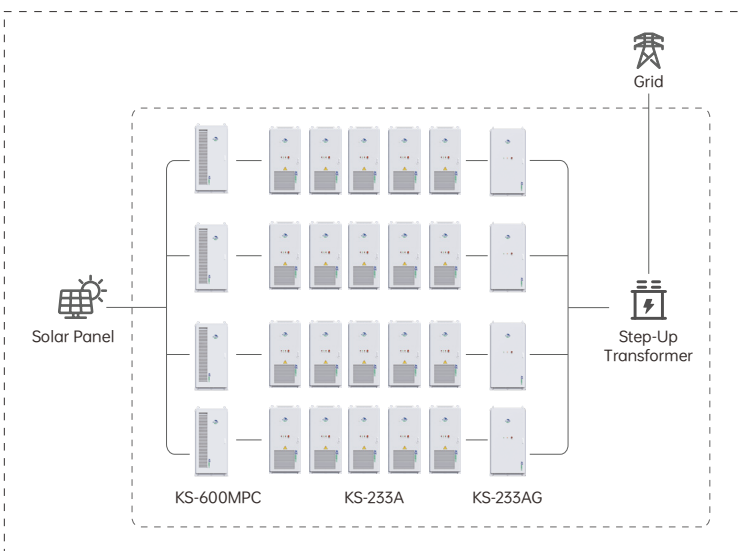
- Polarity, voltage, current & surge protection.
- Ensures safe and stable operation.



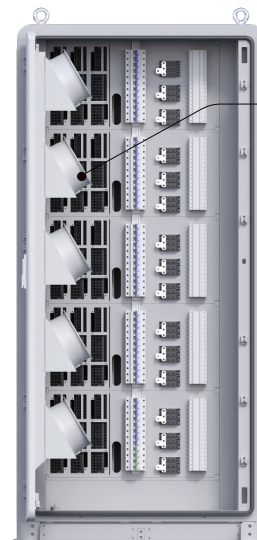
### ENHANCED SYSTEM SAFETY

- IP54 design, minimize external environmental impact.
- Boosts long-term system reliability.

## System Layout



## System Demonstration



DCDC Module

## ● Product Specifications

### PV Input

Input Voltage (Vdc)	400~750
The Max. Static Voltage Borneunder No Operation (Vdc)	850
Rated Voltage (Vdc)	750
MPPT Operating Voltage Range (Vdc)	400~750
MPPT Full Load Voltage Range (Vdc)	400~750
MPPT Starting Voltage (V)	400
MPPT Efficiency	95.50%
Max. Input Current (Adc)	110*15
Number of MPPT	15
No. of PV Strings per MPP Trackers	6


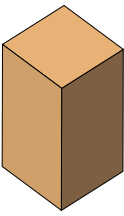
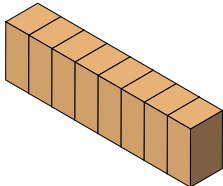
### DC Output

Individual Module Output Power( kW)	40
Max. Number of Modules	15
Total Output Power (kW)	600
Output Voltage Range (Vdc)	50 ~ 1000
Output Current Range (Adc)	0~133.3@Per MPPT
Voltage Regulation Accuracy	<±0.5%(150~1000V, 0~20MHz)
Precision of Steady Current	≤±1%(Outputload 20%~100%)
Voltage Ripple Factor	≤1%

### General Parameters

Product Model	K-MPC600PVC01-US
Type of Cooling	Forced Air-cooling
Dimensions - W*D*H (in)	43.31*37.8*90.5
Total Weight (lb)	~2866
Communication Interface	CAN bus, LAN
Altitude	≤2000m/6561ft
Noise Level @1m	<75 dB(A)
IP Rating	IP54
Operating Temperature (°C/°F)	-20~55/-4~131 (above 55°C/131°F needs to be reduced)
Storage Temperature (°C/°F)	-20~35/-4~95
Relative Humidity	≤95%RH,non-condensing

## ● Packaging & Shipping Details

		
<b>Product</b>	<b>1Set</b>	<b>40C</b>
~43.31*37.8*90.5 in ~2866 lb	~47.2*43.3*94.5 in ~3086 lb	8 Set ~24688 lb