

CPS Energy Balancer

To mitigate concerns over PV panel PID, CPS provides the Energy Balancer. For 600V or 1000Vdc arrays and in conjunction with non-isolated PV inverters, the EB-2 devices may be used to reduced the effects of PID. Users must follow requirements of PV panel providers.



Economical

- Low power loss
- Deceleration of the PID effect
- Recovery of the performance of PV modules

Smart

- Fully automatic control

Adaptable

- Night operation
- Applicable with transformerless inverters
- Two independent output channels, adaptable to multi-MPPT inverter

Technical Data

Model Name	CPS EB-2
Input	
Nominal Input Power	10W
Max. Input Power	<15W
Max. Input Current	< 82mA
Norminal Grid Voltage	208-277Vac Single phase
Allowable Grid Voltage	166-318Vac
Rated Grid Frequency	50-60Hz
Output	
Max. Output Voltage	1000Vdc
Output Voltage Range	400-950Vdc
Max. Output Current*	2×3mA
Max. Output Number	2
System	
Protection Degree	NEMA 4 (IP65)
Operating Temperature Range	-22°F to +140°F / - 30°C to +60°C
Cooling	Natural cooling
Operating Altitude	13123ft / 4000m
Operating Humidity	0-95%, non-condensing
Stand-by / Night Consumption	<3.5W
Display	
Display	LED
Mechanical Data	
Dimensions (WxHxD)	12.6×9.9×3.2 in / 320×250×80 mm
Weight	4lbs / 1.8kg

*CPS ENERGY BALANCER has two channels of PV output. The Max. Output Current is 6mA in total. The two channels may not share the same current because of the difference of PV strings.



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