

800Vac Breaker Box Solution for CPS 250/275kW Inverters



The CPS 800Vac Breaker Box is designed for CPS 250/275kW three-phase string inverters to optimize system protection, installation, and wire management. The Breaker Box combines the output of up to (3) CPS 250/275kW inverters allowing a cost-effective solution for simplifying system designs and providing individual protection for each inverter. This solution enables savings on labor and material costs by reducing the amount of wires needed to connect CPS string inverters to the grid.

Solutions Supplier

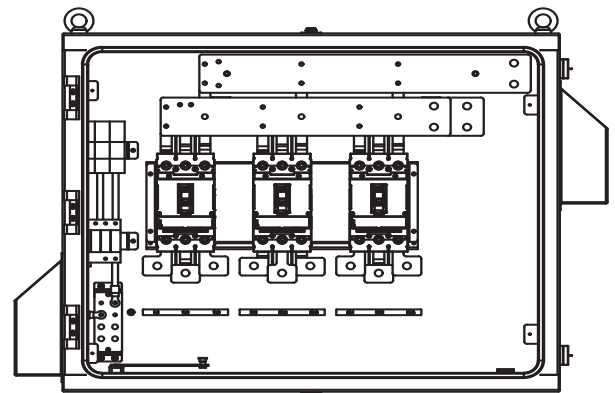
CPS can supply inverter and BOS equipment for 1500V applications, which enables advantages for project logistics, shipment, and warranty management.

Decreased Wiring Costs

Combining CPS inverters with the CPS AC Breaker Box reduces the amount of wires needed to connect the PV system to the grid.

Optimized Design with Enhanced Protection

The AC Breaker Box provides three 800V 250A 100% rated circuit breaker for individual protection of the CPS 250/275kW PV inverter.



Internal View of AC Breaker Box

Product model	CPS DBA03-800V/US
Input parameters	
Number of Input Circuits	3
OCPD Type	3 circuit breakers
OCPD rating	250A (100% Rated)
Compatible inverter	CPS SCH275KTL-DO/US-800
Rated voltage	800Vac
Input Conductor Size	4/0AWG-750kcmil CU or 250-750kcmil AL
Output parameters	
Output Conductor Size	800kcmil CU/AL (up to 2 sets)
Rated Output current	600A
Conduit Knockout Size	Removable Bottom Plate
Interrupting Capacity	50kA
Mechanical	
Vent	Yes
Grounding Busbar	Yes
Padlockable enclosure	Yes
Shade Cover	Yes
Weight	92.6 lbs (42kg)
Dimensions (HxWxD)	42.25in*31.8in*14.9in (1073mm*809.5mm*376mm)
Environment	
Operating temperature range	-30°C to 60°C
Operating altitude	2000m
Permissible relative humidity	0 - 95%, Non-Condensing
Protection grade	NEMA TYPE 3R
Safety and Warranty	
Certification	UL 1741, CSA C22.2 NO.107.1-16
Standard warranty	2 years

