

800 Vac Switch Box 1000 for CPS 250/275 kW Inverters



CPS DPA03-800V/US

The 800 Vac Switch Box (1000 A) is designed for CPS 250/275 kW three-phase string inverters to optimize system design, protection, and wire management. The Switch Box can combine the output of (3) CPS 250/275 kW inverters, or connect to the output of the CPS 800V AC Breaker Box (CPS DBA03-800V/US) to provide extra protection. This solution allows a cost-effective, balanced system solution for 800 Vac solar systems, and enables savings on labor and material costs while providing effective protections for the inverters and wires.

Solutions Supplier

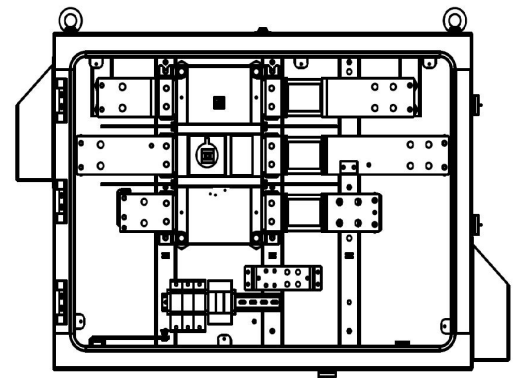
CPS can supply inverter and BOS equipment for 1500 V applications, which enables advantages for project logistics, shipment, and warranty management.

Decreased Wiring Costs

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

Optimized Design

The 800 Vac Switch Box (1000 A) is designed specifically for use with CPS 275 kW inverters, which provides disconnecting means and reduces the AC homerun cables from the inverters to the medium transformer..



Internal View of 800 V Switch Box



Product Model	CPS DPA03-800V/US (1000 A)	
Input Parameter		
Number of Input Circuits	3	1
OCPD Type	Fuse	
Disconnect	Yes	
Compatible Inverter	CPS SCH275KTL-DO/US-800	
Rated Voltage	800 Vac	
Rated Input Current	200 A	600 A
Input Conductor Size	4/0 AWG-750 kcmil CU/AL	800 kcmil CU/AL (up to 2 sets)
Output Parameter		
Rated Output Current	600 A	
Output Conductor Size	800 kcmil CU/AL (up to 2 sets)	
Conduit Knockout Size	Removable bottom plate	
Interrupting Capacity	65 kA	
Output Fuse Rating	1000 A	
Mechanical		
Installation	Wall/rack installation	
Vent	Yes	
Grounding Busbar	Yes	
Padlockable Enclosure	Yes	
Weight	121.3 lbs (55 kg)	
Dimensions (H x W x E)	45.4 x 30 x 15.2 in (1153 x 762 x 385 mm)	
Environment		
Working Temperature	-22°F to 140°F / -30°C to 60°C (derating at 107.6°F / 42°C)	
Altitude	6561.7 ft / 2000 m (derate if altitude > 6561.7 ft / 2000 m)	
Permissible Relative Humidity	0-95%, non-condensing	
Protection Grade	NEMA Type 3R	
Certifications and Warranty		
Certification	UL 1471, CSA C22.2 NO.107.1-16	
Standard Warranty	2 years	

