

800Vac Fused Disconnect V2 for CPS 250/275kW Inverters



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

Solutions Supplier

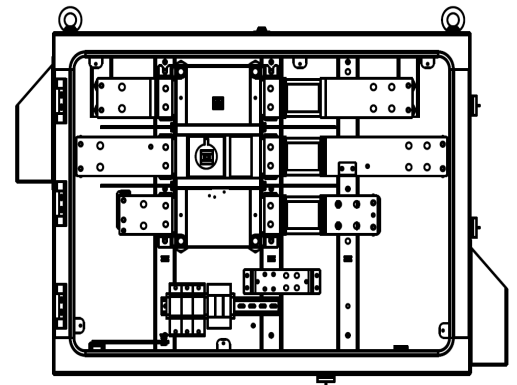
CPS can supply inverter and BOS equipment for 1500V applications, which enables advantages for project logistics, shipment, and warranty management.

Decreased Wiring Costs

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

Optimized Design

The Fused Disconnect V2 is designed specifically for use with CPS 250/275kW inverters, which provides disconnecting means and reduces the AC homerun cables from the inverters to the medium transformer.



Internal View of 800V Fused Disconnect V2

Product model	CPS DPA03-800V/US	
Input parameter		
Number of Input Circuits	3	1
OCPD Type	Fuse	
Disconnect	Yes	
Compatible inverter	CPS SCH275KTL-DO/US-800	
Rated voltage	800Vac	
Rated input current	200A	600A
Input Conductor Size	4/0AWG-750kcmil CU or 250-750kcmil AL	800kcmil CU/AL (up to 2 sets)
Output parameter		
Rated Output current	600A	
Output Conductor Size	800kcmil CU/AL (up to 2 sets)	
Conduit Knockout Size	Removable Bottom Plate	
Interrupting Capacity	65kA	
Output Fuse Rating	1000A	
Mechanical		
Installation	Wall/Rack installation	
Vent	Yes	
Grounding Busbar	Yes	
Padlockable enclosure	Yes	
Weight	55kg	
Dimensions (HxWxD)	1153*762*385mm	
Environment		
Working temperature	- 30℃ ~ + 60℃ (derating at 42℃)	
The altitude	2000m (derate if altitude>2000m)	
Permissible relative humidity	0~95%, non-condensing	
Protection grade	NEMA TYPE 3R	
Certifications and Warranty		
Certification	UL 1741, CSA C22.2 NO.107.1-16	
Standard warranty	2 years	

