



Smart Combiner Box Product Line

Contact

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DST Controls' line of Fat Spaniel Enabled smart combiner boxes is designed for a long and reliable life in demanding environments. PV string wires are landed to individual Touch Safe™ fuse holders. The quality steel NEMA 4-rated enclosures provide flexibility in box mounting and orientation. Output terminals are centrally positioned to allow multiple exit options for large diameter wires.

DST Controls is an ISO 9001-2000 Certified Company.

Specifications for Standard Models:

Model	8	12	16	24
Number of Inputs (Pos. & Neg.)	2 - 8	9 - 12	9 - 16	17 - 24
Max DC Voltage	600 VDC			
Max Fuse Size	20 amps			
Max Source Current	12.8 amps			
Max Rated Output Current	160 amps	240 amps*	320 amps*	350 amps*
Source Wiring Range	10-6 AWG			
Output Wiring Range	14-2/0 AWG	6 AWG – 350 mcm	6 AWG – 350 mcm	6 AWG – 350 mcm
Enclosure Type	NEMA 4, three-phase coated steel			
Unit Weight	35 lbs.	50 lbs.	70 lbs.	100 lbs.
Dimensions	20" x 16" x 8"	20" x 20" x 8"	24" x 24" x 8"	30" x 30" x 8"

* Has dual output Power Distribution blocks to handle rating and to accommodate use of smaller wire.

Standards and Certifications: ETL Listed for UL-1741 and UL-67, Built to IP20 Standards.

Accuracy: 0.25%

Warranty: One (1) year parts and labor

Five (5) year parts and labor optional (15% price adder)

Ordering Information:

FSE--X--XX--0--0-0

Options:

- 0= None
- 1= Cable Glands Installed (Specify quantity and location)
- 2= Change Input/Output Orientation (Specify)
- 3= MC or Tyco Field Connectors Installed (specify quantity and location)

Communications:

- 0= Modbus RTU (Standard)
- 1= Modbus RTU + Repeater
- 2= RS-485
- 3= Other (Specify)

Enter Number of Strings: 02 thru 24

Type:

- 0= Standard (No monitoring)
- 1= Smart, 10 Amp
- 2= Smart, 15 Amp
- 3= Smart, 20 Amp