

DC Monitoring Hardware Specifications

String Monitoring

DST Controls' Fat Spaniel Enabled smart combiner boxes include:

- Touch Safe™ fuse holders
- Centrally positioned terminals for large diameter wires
- ETL listing to UL1741 pending
- Available in the following configurations:

Model	8	16	24
Number of Inputs (Pos. & Neg.)	1 - 8	9 - 16	17 - 24
Max DC Voltage	600 VDC	600 VDC	600 VDC
Max Fuse Size	20 amps	20 amps	20 amps
Max Rated Output Current	160 amps	320 amps	350 amps
Source Wiring Range	10-6 AWG	10-6 AWG	10-6 AWG
Output Wiring Range	6 AWG – 350 mcm	6 AWG – 350 mcm	6 AWG – 350 mcm
Enclosure Type	NEMA 4, steel	NEMA 4, steel	NEMA 4, steel
Unit Weight	35 lbs.	45 lbs.	75 lbs.
Dimensions	20" x 16" x 8"	20" x 20" x 8"	24" x 24" x 8"

Sub-Array Hardware Specifications

SatCon's PowerGate PV Zone sub-array monitoring option available through your SatCon Sales Representative in the following configurations:

SatCon PowerGate Model #	PV Sub-Array Combiner (# of Sub-Arrays)
AE-30-60-PV	2 x 75 Amps
AE-50-60-PV	3 x 100 Amps
AE-75-60-PV	6 x 100 Amps
AE-100-60-PV	6 x 100 Amps
AE-135-60-PV	9 x 100 Amps
AE-225-60-PV	12 x 100 Amps
AE-500-60-PV	30 x 100 Amps



(800) 967-6917

www.dcpower-systems.com



DC String or Sub-Array Monitoring

String monitoring enables you to remotely monitor individual string performance in a solar electric system to maximize system performance and return on investment. Sub-array monitoring delivers a more cost-effective solution to understand system performance at the module level using the sub-array combiner which means you don't have to install additional boxes or to run wires in the field. The following options are available for String and Sub-Array monitoring:

String Monitoring

- String Monitoring, Service only, for One Year or Five Years
- String Monitoring Communications Unit
- String Monitoring Setup

Sub-Array Monitoring

- SatCon Inverters, One Year or Five Years
- Sub-Array Monitoring Setup, per SatCon inverter

Data Feed and/or Data Downloads

Receive data feeds or downloads for analysis or billing purposes. Access to data in different formats is achieved through Data Downloads and Data Feeds. Data Downloads provide an interface to access site data by choosing the time interval and historic time period. Data Feeds are set up to send automatically.

- Data Feed for One Year or Five Years — Non-billing
- Data Feed for One Year or Five Years — Billing-grade
- Data Feed and Flash View Maintenance for Flash view — for One Year or Five Years
- Custom Data Feeds and Reports for One Year or Five Years

Agency Report

Fat Spaniel can report your system's energy production to the Public Utility Commission (PUC), Western Renewable Energy Tracking System (WREGIS), and New Jersey S-REC to receive Renewable Energy Certificates (RECs).

- Agency Report (PUC / REC) Setup Charge
- Agency Report (PUC / REC) for One Year or Five Years