

● DISTRIBUTED CONTROL SYSTEM



# One technology, endless configurations

The DCS meets the needs of current trackers that require a robust and **stable control unit capable to manage a multidrive track** in a cost-effective way.

DCS allows for **different types of devices** along the axis of the tracker or between two rows of trackers in a Main / Secondary configuration.

- **Flexible and scalable** configuration depending on your specific needs. Compatible with all system configurations: String-Powered, AC-powered and Self-Powered.
- Reliable tracker-level **communication via PLC** technology.
- **Cost-effective and easy to install**: A standard PV cable delivers power and communication from the Main to the Secondary ones.
- Secondary units are more affordable than standard TCUs. If sequential movements are allowed, the cost of the Main unit can be further reduced by lowering its power requirements.



## We maximize the power generation of your solar PV site regardless of its size

Forget mechanical transmissions and discover the main features of Suntrack's DCS (Distributed Control System) for multidrive single axis trackers or dual-rows.

	MULTIDRIVE SINGLE AXIS	DUAL-ROW
KEY BENEFITS	The DCU configuration is a reliable solution for the largest tracker structures and bigger and more powerful current PV panels	The DCU simplifies tracker assembly and reduce maintenance with an easier cleaning process between trackers
MAIN MODEL	String Powered, AC-powered or Self-Powered	
MOVEMENT OPTIONS	Sequential or Synchronous (depending on the required power)	
MAIN-SECONDARY COMMUNICATION	PLC through standard PV cable	
NCU-MAIN COMMUNICATION	Zigbee (Encrypted)	
INDEPENDENT ROW BACKTRACKING	✓	-
OVERCAST	✓	✓
ISTOW	✓	✓
MAIN'S OPERATING MODE	1 Main device per tracker controls up to 2 devices in the same row	1 Main device controls up to 2 secondary devices in a dual-row configuration
SECONDARY'S OPERATING MODE	In case of sequential movements, they work within a configurable torsion limit in the axis	If one Secondary stops, the Main device could continue tracking.