



Weather optimize function overview

1) The EG4 18kPV now have a **Weather Optimize** function. Once configured, it will automatically optimize battery charging based on tomorrow's local weather condition. If a heavy rain is expected to approach tomorrow, the battery will be automatically charged to the preset SOC in advance.

The screenshot displays the EG4 Electronics web interface. The top navigation bar includes the EG4 logo and five menu items: Monitor, Data, Configuration, Overview, and Maintenance. The left sidebar contains a list of functions: Remote Set, Batch Set, Set Record, Weather Optimize (highlighted with a red box), Remote Update, Update Record, UL Compliance, and Notification. The main content area shows a table with columns for Serial number, Station name, Charge Time Range, Location, and Action. Above the table, there is a search bar labeled 'Search by inverter SN' and a 'Station' dropdown menu with an 'Add device' button.



2) Please add a device first. The weather optimize function will take effect within the time period you set. The server will upload setting instructions to the inverter starting from 17:00 to 20:00 every day. If you want your settings to take effect as soon as possible, please complete them before 17:00. If you set the heavy rain to 100, inverter will enter the charge mode within the set time period, and the charging will not stop until the SOC reaches 100 or the time reaches the end.

Add device ×

* Serial number	<input type="text" value="Serial number"/>
* Charge Start Time	<input type="text" value="00:30"/> ▼
* Charge End Time	<input type="text" value="04:00"/> ▼
Charge percent(%) by weather:	
* Clear sky	<input type="text" value="30"/>
* Few(11%-25%) clouds	<input type="text" value="65"/>
* Scattered(25%-50%) clouds	<input type="text" value="75"/>
* Broken(51%-84%) clouds	<input type="text" value="85"/>
* Overcast(85%-100%) clouds	<input type="text" value="95"/>
* Light rain	<input type="text" value="80"/>
* Moderate rain	<input type="text" value="90"/>
* Heavy rain	<input type="text" value="100"/>
* Other	<input type="text" value="90"/>



3) After the device is added, you need to set the location of the device. The weather optimize function will not work unless you set the location of the device.

The screenshot shows the EG4 Electronics web interface. The top navigation bar includes 'Monitor', 'Data', 'Configuration', 'Overview', and 'Maintenance'. A left sidebar contains various management options, with 'Weather Optimize' highlighted in yellow. The main content area displays a table of stations. The 'Location' column for the first station is highlighted with a red box, showing an 'x' and a location pin icon.

	Serial number	Station name	Charge Time Range	Location	Action
1	3182670282	RD WallPower 18Kpv	00:30 - 04:00	x	Management



4) Please select or search for local location coordinates in the map. After the update, the device will charge according to the preset logic.

* **Station name** ✓

LNG-LAT

[↑Pack up map](#)



* **Create time**

* **Continent** ▼

* **Region** ▼

* **Country** ▼

* **Timezone** ▼

* **Daylight saving time** Yes No



5) After the device is added, the corresponding end user can also see the weather optimize interface in their account, and the end user can modify the charging logic according to their needs.

The screenshot displays the EG4 Electronics web application interface. At the top, there is a navigation bar with the following items: the EG4 ELECTRONICS logo, a 'Monitor' icon, a 'Data' icon, a 'Configuration' icon, an 'Overview' icon, and a 'Maintenance' icon. On the left side, there is a vertical menu with the following options: 'Remote Set', 'Batch Set', 'Set Record', 'Weather Optimize' (highlighted in yellow), 'Remote Update', 'Update Record', 'UL Compliance', and 'Notification'. The main content area shows a 'Station' management interface. It includes a search bar with the text 'Search by inverter SN' and a search icon. Below the search bar is a table with the following columns: 'Serial number', 'Station name', 'Charge Time Range', 'Location', and 'Action'. The table contains one row with the following data: '1', '3182670282', 'RD WallPower 18Kpv', '00:30 - 04:00', and a location icon with a checkmark. The 'Action' column for this row has a dropdown menu labeled 'Management'.

	Serial number	Station name	Charge Time Range	Location	Action	
<input type="checkbox"/>	1	3182670282	RD WallPower 18Kpv	00:30 - 04:00	✓	Management