



## 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 icons for 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: 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 button labeled 'Add device'.

Serial number	Station name	Charge Time Range	Location	Action
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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

Serial number

\* Charge Start Time

00:30

\* Charge End Time

04:00

Charge percent(%) by weather:

\* Clear sky

30

\* Few(11%-25%) clouds

65

\* Scattered(25%-50%) clouds

75

\* Broken(51%-84%) clouds

85

\* Overcast(85%-100%) clouds

95

\* Light rain

80

\* Moderate rain

90

\* Heavy rain

100

\* Other

90

Add

Cancel



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.

EG4ELECTRONICS

Monitor

Data

Configuration

Overview

Maintenance

Remote Set

Batch Set

Set Record

Weather Optimize

Remote Update

Update Record

UL Compliance

Notification

☐ Station

Add device

Search by inverter SN

×

Q

	Serial number	Station name	Charge Time Range	Location	Action
1	3182670282	RD WallPower 18Kpv	00:30 - 04:00	<div>×</div> <div>📍</div>	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

RD WallPower 18Kpv

✓

LNG-LAT

37.24309921,-115.79299927

📍

↑Pack up map

37.2431° N, 115.7930° W

🔍

\* Create time

2023-08-02

\* Continent

North America

▼

\* Region

North America

▼

\* Country

United States of America

▼

\* Timezone

GMT -5

▼

\* Daylight saving time

☐ Yes ☒ No

Update

Export

Cancel



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.

Monitor

Data

Configuration

Overview

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Set Record

Weather Optimize

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Update Record

UL Compliance

Notification

☐ Station

Add device

Search by inverter SN

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