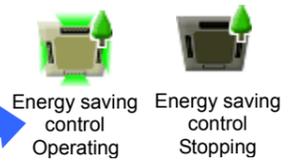
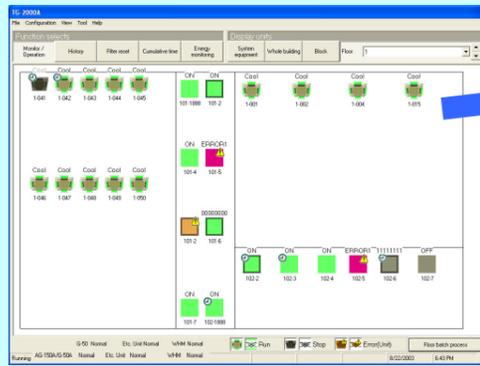


ENERGY SAVING/PEAK-CUT OPERATION METHOD OF TG-2000A (INTEGRATED CENTRALIZED CONTROL SOFTWARE)

Monitoring Energy Saving Control Status



Energy saving control Operating
 When the energy saving control is operated, the group icon on the floor screen changes to that of "Under energy saving control."
 Energy saving control under operation
 : Controlling the temperature
 : Controlling the fan mode
Energy saving control Stopping
 Energy saving control under stopping
 : Controlling for stopping

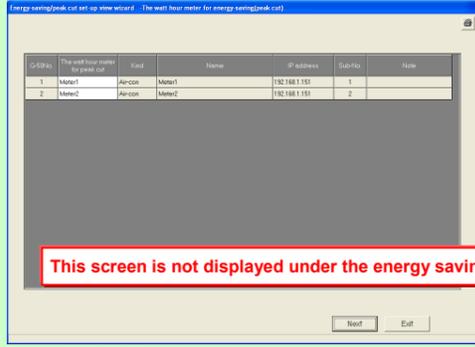
Confirming control detail

Selecting the "View" - "Energy-saving/peak cut set-up view" from the control screen menu displays "Energy-saving/peak cut set-up view screen." Press "Next" to advance to the target screen.

Changing control detail

Moves to the initial setting screen. (For detail, refer to "Normal Operation Method".) Press the "Energy saving set-up" button.

Confirming Energy Saving Setting Detail



The information on the WHM for peak cutting assigned to each AG-150/G-50A can be confirmed.

This screen is not displayed under the energy saving control.

Screen to confirm the WHMs used

Changing Energy Saving Setting Detail



The screen of "Energy saving/peak cut setting wizard" appears.

Click "OK."

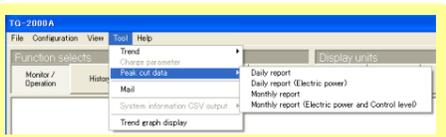
Caution:
 If any damage is caused by a case such that the power consumption exceeds the contract demand due to the setting detail of AG-150/G-50A or PLC in the peak cut function, the damage will not be compensated. You are kindly requested to understand the above in use.

Screen of energy saving/peak cut setting wizard

● The daily/monthly report CSV file will automatically be created by conducting the peak cut control, and be stored in a specified folder for a period of two years maximum.
 Daily report:
 G50PC[year]-[month]-[day].csv
 Daily report (Electric power):
 G50PCE[year]-[month]-[day].csv
 Monthly report:
 MtrPC[year]-[month].csv
 Monthly report (Electric power and Control level):
 G50PCL[year]-[month].csv

Preparation of Daily/Monthly reports

Select [Tool] - [Peak cut data] from the menu of control screen. Select [Daily report], [Daily report (Electric power)], [Monthly report] or [Monthly report (Electric power and Control level)].



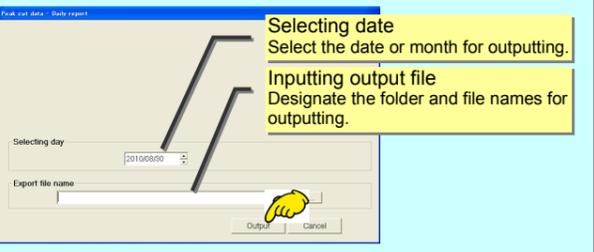
In the case of Demand controller method, it is selection of [Daily report] and [Monthly report (Control level)].

Valid only at peak cut controlling.

Preparation Method of Daily/Monthly report

In the case of Demand controller method, the output is only control level.

Item	Detail
Daily report (Amount of electric power and control level)	From Daily report data History data of control level with 1 minute interval and amount electric power per 30 minutes (in a unit of day) Possible to output for the past 31 days maximum
Daily report (Electric power)	From Daily report data (Electric power) data History data of control level with 1 minute interval and electric power per 30 minutes (in a unit of day) Possible to output for the past 31 days maximum
Monthly report (Count value)	From Monthly report data History data of WHMs used per day (in a unit of month) Possible to output for the past 62 days maximum
Monthly report (Amount of electric power and Max. electric power)	From Monthly report (Electric power and Control level) data History data of amount of electric power and maximum electric power per day (in a unit of month) Possible to output for the past 62 days maximum

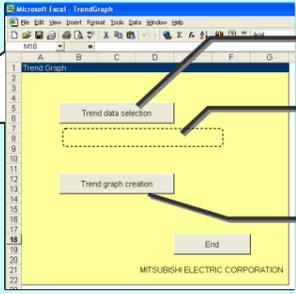


Selecting date
 Select the date or month for outputting.
 Inputting output file
 Designate the folder and file names for outputting.

Merely pressing the [Output] button stores the CSV file in a designated folder.

● Please always operate the TG-2000A. When the TG-2000A is stopping, the data of daily and monthly reports can not be collected and outputted.

PC installed with "Trend graph support tool" equipped by TG-2000A
 *Microsoft Excel is separately required.

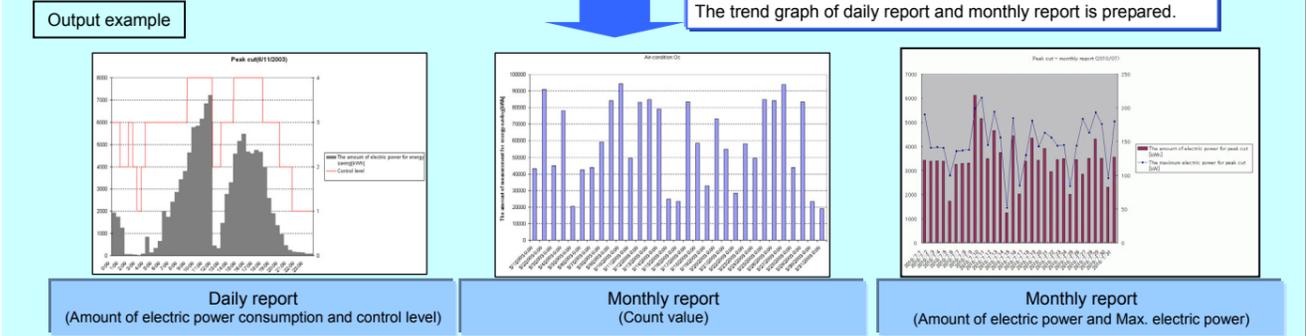


Selecting file
 Selects the file output automatically or manually the file output.

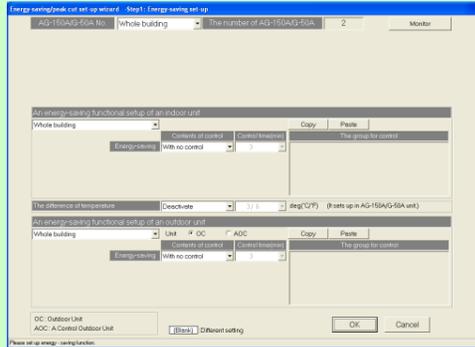
Displaying the selected file name
 Displays the selected file name.
 (Example) A:\TrendData\2010\08\G50PC2010-08-30.csv

Preparing file
 Prepares the trend graph.

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Changing energy saving setting

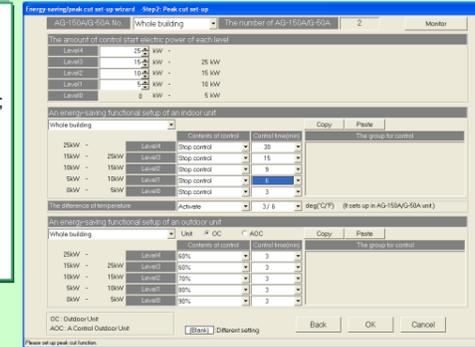


The detailed energy saving control can be set for each AG-150A/G-50A.

The setting methods include;
 [Indoor unit energy saving setting] and
 [Outdoor unit energy saving setting]
 Set it depending on the equipment to be controlled.

Screen to set energy saving

Changing peak cut setting



Both the electric power to start control and the detail of energy saving control for each AG-150A/G-50A at various levels can be set.

The setting methods include;
 [Indoor unit energy saving setting] and
 [Setting of electric power to start control]

Screen to set peak cut control

[Indoor unit energy saving setting]
 (1) Select the target block to be controlled by using the ▼ button.
 (2) Select the detail of the control by using the ▼ button.
 Control detail : No control
 Temperature control
 fan/thermostat OFF control
 Control to stop
 (3) Select the control time with the ▼ button.
 Control time : 3/6/9/15/30 minutes
 (4) Repeat the control of (1) to (3) for each block. (Copying/pasting functions can also be used.)
 (5) Set to invalidate the energy saving control by excluding outdoor temperature difference. (*1)
 Setting detail : Invalid, Valid (3 to 9°C)

[Outdoor unit energy saving setting]
 (1) Select the target outdoor unit to be controlled by using the ▼ button.
 Either OC or AOC can be selected by clicking the radio button next to "Unit." (*2)
 (2) Select the detail of the control by using the ▼ button.
 Control detail : No control,
 Capacity saving ratio 60% to 90% /10%
 (3) Select the control time with the ▼ button.
 Control time : 3/6/9/15/30 minutes
 (4) Repeat the control of (1) to (3) for each block. (Copying/pasting functions can also be used.)

[Setting of electric power to start control]
 (1) Select the target AG-150A/G-50A to be controlled by using the ▼ button.
 (2) Set electric power to start control at each level by using the ▲/▼ button.
 (3) Set the detailed energy saving control of indoor unit at each level. (Refer to [Indoor unit energy saving setting]).
 (4) Set the detailed energy saving control of outdoor unit at each level. (Refer to [Outdoor unit energy saving setting]).

*1 : This function disables energy saving control if the temperature difference between the set temperature and the room temperature exceeds the rated value (3 to 9°C). This setting is a batch control in a unit of AG-150A/G-50A.
 *2 : As far as the A-control outdoor units, only the inverter models can be operated on the energy saving setting.