

public class

BatteryManager

extends [Object](#)

[java.lang.Object](#)

↳ android.os.BatteryManager

Class Overview

The BatteryManager class contains strings and constants used for values in the [ACTION_BATTERY_CHANGED](#) Intent.

Summary

Constants		
int	BATTERY_HEALTH_COLD	
int	BATTERY_HEALTH_DEAD	
int	BATTERY_HEALTH_GOOD	
int	BATTERY_HEALTH_OVERHEAT	
int	BATTERY_HEALTH_OVER_VOLTAGE	
int	BATTERY_HEALTH_UNKNOWN	
int	BATTERY_HEALTH_UNSPECIFIED_FAILURE	
int	BATTERY_PLUGGED_AC	Power source is an AC charger.
int	BATTERY_PLUGGED_USB	Power source is a USB port.

int	BATTERY_STATUS_CHARGING	
int	BATTERY_STATUS_DISCHARGING	
int	BATTERY_STATUS_FULL	
int	BATTERY_STATUS_NOT_CHARGING	
int	BATTERY_STATUS_UNKNOWN	
String	EXTRA_HEALTH	Extra for ACTION_BATTERY_CHANGED: integer containing the
String	EXTRA_ICON_SMALL	Extra for ACTION_BATTERY_CHANGED: integer containing the indicating the current battery state.
String	EXTRA_LEVEL	Extra for ACTION_BATTERY_CHANGED: integer field containing to EXTRA_SCALE.
String	EXTRA_PLUGGED	Extra for ACTION_BATTERY_CHANGED: integer indicating whe 0 means it is on battery, other constants are different types of
String	EXTRA_PRESENT	Extra for ACTION_BATTERY_CHANGED: boolean indicating whe
String	EXTRA_SCALE	Extra for ACTION_BATTERY_CHANGED: integer containing the
String	EXTRA_STATUS	Extra for ACTION_BATTERY_CHANGED: integer containing the
String	EXTRA_TECHNOLOGY	Extra for ACTION_BATTERY_CHANGED: String describing the t
String	EXTRA_TEMPERATURE	Extra for ACTION_BATTERY_CHANGED: integer containing the
String	EXTRA_VOLTAGE	Extra for ACTION_BATTERY_CHANGED: integer containing the

Public Constructors

BatteryManager()

[\[Expand\]](#)

Inherited Methods

► From class [java.lang.Object](#)

Constants

public static final int **BATTERY_HEALTH_COLD**

Since: API Level 11

Constant Value: 7 (0x00000007)

public static final int **BATTERY_HEALTH_DEAD**

Since: API Level 1

Constant Value: 4 (0x00000004)

public static final int **BATTERY_HEALTH_GOOD**

Since: API Level 1

Constant Value: 2 (0x00000002)

public static final int **BATTERY_HEALTH_OVERHEAT**

Since: API Level 1

Constant Value: 3 (0x00000003)

public static final int **BATTERY_HEALTH_OVER_VOLTAGE**

Since: API Level 1

Constant Value: 5 (0x00000005)

public static final int **BATTERY_HEALTH_UNKNOWN**

Since: API Level 1

Constant Value: 1 (0x00000001)

public static final int **BATTERY_HEALTH_UNSPECIFIED_FAILURE**

Since: API Level 1

Constant Value: 6 (0x00000006)

public static final int **BATTERY_PLUGGED_AC**

Since: API Level 1

Power source is an AC charger.

Constant Value: 1 (0x00000001)

public static final int **BATTERY_PLUGGED_USB**

Since: API Level 1

Power source is a USB port.

Constant Value: 2 (0x00000002)

public static final int **BATTERY_STATUS_CHARGING**

Since: API Level 1

Constant Value: 2 (0x00000002)

public static final int **BATTERY_STATUS_DISCHARGING**

Since: API Level 1

Constant Value: 3 (0x00000003)

public static final int **BATTERY_STATUS_FULL**

Since: API Level 1

Constant Value: 5 (0x00000005)

public static final int **BATTERY_STATUS_NOT_CHARGING**

Since: API Level 1

Constant Value: 4 (0x00000004)

public static final int **BATTERY_STATUS_UNKNOWN**

Since: API Level 1

Constant Value: 1 (0x00000001)

public static final [String](#) EXTRA_HEALTH

Since: API Level 5

Extra for [ACTION_BATTERY_CHANGED](#): integer containing the current health constant.

Constant Value: "health"

public static final [String](#) EXTRA_ICON_SMALL

Since: API Level 5

Extra for [ACTION_BATTERY_CHANGED](#): integer containing the resource ID of a small status bar icon indicating the current battery state.

Constant Value: "icon-small"

public static final [String](#) EXTRA_LEVEL

Since: API Level 5

Extra for [ACTION_BATTERY_CHANGED](#): integer field containing the current battery level, from 0 to [EXTRA_SCALE](#).

Constant Value: "level"

public static final [String](#) EXTRA_PLUGGED

Since: API Level 5

Extra for [ACTION_BATTERY_CHANGED](#): integer indicating whether the device is plugged in to a power source; 0 means it is on battery, other constants are different types of power sources.

Constant Value: "plugged"

public static final [String](#) EXTRA_PRESENT

Since: API Level 5

Extra for [ACTION_BATTERY_CHANGED](#): boolean indicating whether a battery is present.

Constant Value: "present"

public static final [String](#) EXTRA_SCALE

Since: API Level 5

Extra for [ACTION_BATTERY_CHANGED](#): integer containing the maximum battery level.

Constant Value: "scale"

public static final [String](#) EXTRA_STATUS

Since: API Level 5

Extra for [ACTION BATTERY CHANGED](#): integer containing the current status constant.

Constant Value: "status"

```
public static final String EXTRA_TECHNOLOGY
```

Since: API Level 5

Extra for [ACTION BATTERY CHANGED](#): String describing the technology of the current battery.

Constant Value: "technology"

```
public static final String EXTRA_TEMPERATURE
```

Since: API Level 5

Extra for [ACTION BATTERY CHANGED](#): integer containing the current battery temperature.

Constant Value: "temperature"

```
public static final String EXTRA_VOLTAGE
```

Since: API Level 5

Extra for [ACTION BATTERY CHANGED](#): integer containing the current battery voltage level.

Constant Value: "voltage"

Public Constructors

```
public BatteryManager ()
```