CDP Battery Monitor

v1.0

Generated by Doxygen 1.8.17

Chapter 1

Hierarchical Index

1.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

Chapter 2

Class Index

2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

Chapter 3

File Index

3.1 File List

Here is a list of all documented files with brief descriptions:

Chapter 4

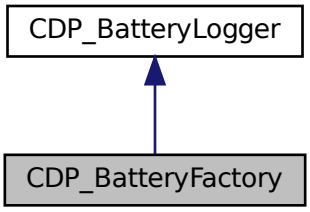
Class Documentation

4.1 CDP_BatteryFactory Class Reference

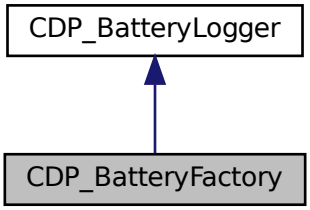
The Battery Monitor Factory Class.

`#include <CDP_BatteryFactory.h>`

Inheritance diagram for CDP_BatteryFactory:



Collaboration diagram for CDP_BatteryFactory:



Static Public Member Functions

- static CDP_BatteryPackets * getPacketObj (CDP_BatteryPackets::CDP_BatteryPacketsType_t type)

  Returns an object of the specialised packet type class.

Additional Inherited Members

4.1.1 Detailed Description

The Battery Monitor Factory Class.

4.1.2 Member Function Documentation

4.1.2.1 getPacketObj()

```
CDP_BatteryPackets * CDP_BatteryFactory::getPacketObj (
            CDP_BatteryPackets::CDP_BatteryPacketsType_t type )  [static]
```

Returns an object of the specialised packet type class.

Parameters

type	

Returns

CDP_BatteryPackets *

The documentation for this class was generated from the following files:

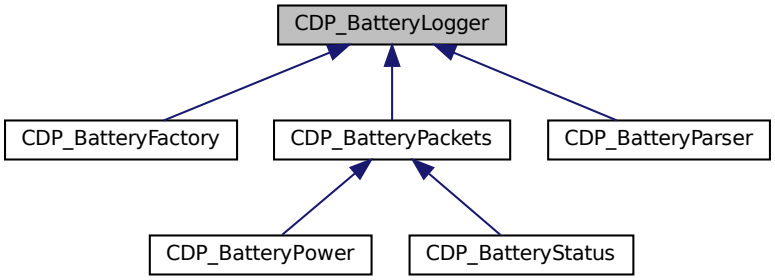
- CDP_BatteryFactory.h
- CDP_BatteryFactory.cpp

4.2 CDP_BatteryLogger Class Reference

The Battery Monitor Logging Class.

```
#include <CDP_BatteryLogger.h>
```

Inheritance diagram for CDP_BatteryLogger:



Public Types

- enum CDP_LoggerLevel : uint8_t { **CDP_LOGGER_LEVEL_ERROR**, **CDP_LOGGER_LEVEL_INFO**, **CDP_LOGGER_LEVEL_DBG** }

  This defines the various logging levels available.

Public Member Functions

- template<typename... Args>
  void **cdp_err** (Args &&... args)
- template<typename ... Args>
  void cdp_info (Args &&... args)

  This function is used for information level logging.
- template<typename ... Args>
  void cdp_dbg (Args &&... args)

  This function is used for debug level logging.

Static Public Member Functions

- static void setLogLevel (int logLevel)

  This function is used to set the log level dynamically.
- static int getLogLevel ()

  This function is used to get the log level dynamically.

4.2.1 Detailed Description

The Battery Monitor Logging Class.

The class can be implemented to log into an xml file if required. Currently, it implements as stdout logging. The member functions can be overridden to class specific requirements. The logging can be compiled in debug mode (_DEBUG) to retrieve debug logging.

4.2.2 Member Function Documentation

4.2.2.1 cdp_dbg()

```
template<typename ...  Args>
CDP_BatteryLogger::cdp_dbg (
            Args &&...  args )  [inline]
```

This function is used for debug level logging.

This function is used for error level logging.

Template Parameters

Args	

Parameters

args	

Returns

void

4.2.2.2 cdp_info()

```
template<typename ...  Args>
CDP_BatteryLogger::cdp_info (
            Args &&...  args )  [inline]
```

This function is used for information level logging.

Template Parameters

Args	

Parameters

args	

Returns

void

4.2.2.3 getLogLevel()

```
int CDP_BatteryLogger::getLogLevel ( )  [static]
```

This function is used to get the log level dynamically.

Parameters

void	

Returns

int

4.2.2.4 setLogLevel()

```
void CDP_BatteryLogger::setLogLevel (
            int logLevel )  [static]
```

This function is used to set the log level dynamically.

Parameters

logLevel	

Returns

void

The documentation for this class was generated from the following files:

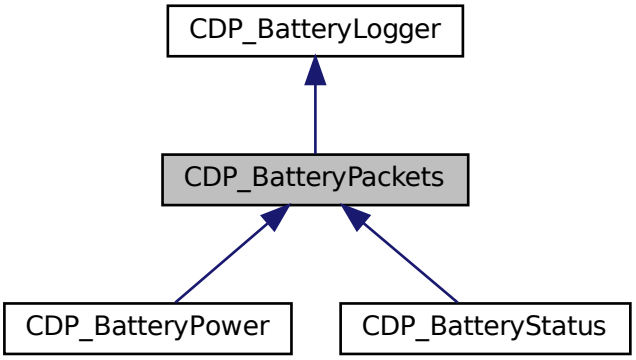
- CDP_BatteryLogger.h
- CDP_BatteryLogger.cpp

4.3 CDP_BatteryPackets Class Reference

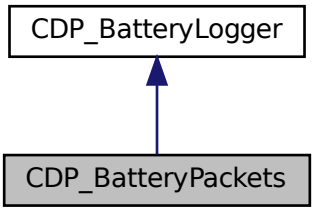
The Battery Packets Processing Class.

```
#include <CDP_BatteryPackets.h>
```

Inheritance diagram for CDP_BatteryPackets:



Collaboration diagram for CDP_BatteryPackets:



Public Types

- enum CDP_BatteryPacketsType : uint8_t { **CDP_PACKETTYPE_MIN**, **CDP_PACKETSTYPE_BATTERY↩ POWER** = CDP_PACKETTYPE_MIN, **CDP_PACKETSTYPE_BATTERYSTATUS**, **CDP_PACKETTYPE↩ _MAX** }

  Use this enum to add new packet processing class.
- typedef enum CDP_BatteryPackets::CDP_BatteryPacketsType **CDP_BatteryPacketsType_t**
- typedef CDP_BatteryPackets ∗(∗ getPacketObjFuncPtr_t) (CDP_BatteryPacketsType_t &)

  Function Pointer typedef to handle packet specific object allocation.

Public Member Functions

- virtual void step (std::vector< uint8_t > &)=0

  This function is used to cycle the class state machine once.
- virtual CDP_BatteryPacketsType_t get_type (void)=0

This function is used to retrieve the packet type of the class.

- virtual ssize_t get_dataLen (void)=0

  This function is used to retrieve the data pkt len of the class.

- virtual std::string get_name (void)=0

  This function is used to retrieve the data name of the class.

- virtual bool get_error (void)=0

  This function is used to retrieve the error occurred in the class.

Static Public Member Functions

- static CDP_BatteryPackets * default_PktHandler (CDP_BatteryPacketsType_t &)

  This is an default function for error handling.

4.3.1 Detailed Description

The Battery Packets Processing Class.

This class is used to retrieve specialised packet processing object To add a new packet processing engine:

1. Define a new Packet Type in CDP_BatteryPackets.h
2. Define a Packet Processing Class (refer: CDP_BatteryStatus.h/cpp as an example)
3. Add the class entry in the array getPacketObjMap (found in CDP_BatteryPackets.cpp)

4.3.2 Member Enumeration Documentation

4.3.2.1 CDP_BatteryPacketsType

```
enum CDP_BatteryPackets::CDP_BatteryPacketsType :  uint8_t
```

Use this enum to add new packet processing class.

Ensure no duplicate packet types are present. Preserve the Min & Max enums i.e add new types between the Min and Max packet types.

4.3.3 Member Function Documentation

4.3.3.1 default_PktHandler()

```
CDP_BatteryPackets * CDP_BatteryPackets::default_PktHandler (
            CDP_BatteryPacketsType_t & t )  [static]
```

This is an default function for error handling.

Parameters

type	

Returns

CDP_BatteryPackets*

4.3.3.2 get_dataLen()

```
ssize_t CDP_BatteryPackets::get_dataLen (
            void  )  [pure virtual]
```

This function is used to retrieve the data pkt len of the class.

Parameters

void	

Returns

ssize_t

Implemented in CDP_BatteryPower, and CDP_BatteryStatus.

4.3.3.3 get_error()

```
bool CDP_BatteryPackets::get_error (
            void  )  [pure virtual]
```

This function is used to retrieve the error occurred in the class.

Parameters

void	

Returns

bool

Implemented in CDP_BatteryPower, and CDP_BatteryStatus.

4.3.3.4 get_name()

```
std::string CDP_BatteryPackets::get_name (
            void  )  [pure virtual]
```

This function is used to retrieve the data name of the class.

Parameters

void	

Returns

std::string

Implemented in CDP_BatteryPower, and CDP_BatteryStatus.

4.3.3.5 get_type()

```
CDP_BatteryPacketsType_t CDP_BatteryPackets::get_type (
            void  )  [pure virtual]
```

This function is used to retrieve the packet type of the class.

Parameters

void	

Returns

CDP_BatteryPacketsType_t

Implemented in CDP_BatteryPower, and CDP_BatteryStatus.

4.3.3.6 step()

```
CDP_BatteryPackets::step (
            std::vector< uint8_t > &  )  [pure virtual]
```

This function is used to cycle the class state machine once.

Parameters

data	packet to be processed

Returns

void

Implemented in CDP_BatteryPower, and CDP_BatteryStatus.

The documentation for this class was generated from the following files:

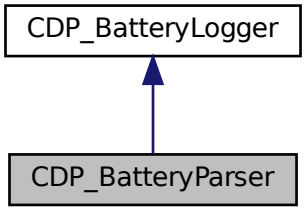
- CDP_BatteryPackets.h
- CDP_BatteryPackets.cpp

4.4 CDP_BatteryParser Class Reference

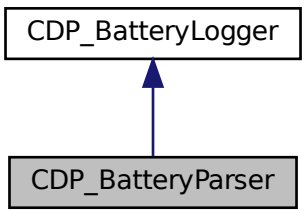
The Battery Packets Parsing Class.

`#include <CDP_BatteryParser.h>`

Inheritance diagram for CDP_BatteryParser:



Collaboration diagram for CDP_BatteryParser:



Public Member Functions

- template<typename ... Args>
  void cdp_dbg (Args &&... args)

  Class specific override for cdp_dbg.

Static Public Member Functions

- static void run (const std::string &fileName)

  This function is used to execute the packet processing engine until end-of-file or any processing errors.

Additional Inherited Members

4.4.1 Detailed Description

The Battery Packets Parsing Class.

This class is used to retrieve the data from a stream and check for packet type and errors. If no errors are found, it forwards the packet to the specialised packet processing class.

4.4.2 Member Function Documentation

4.4.2.1 cdp_dbg()

```
template<typename ...  Args>
CDP_BatteryParser::cdp_dbg (
            Args &&...  args )  [inline]
```

Class specific override for cdp_dbg.

Template Parameters

Args	

Parameters

args	

Returns

void

4.4.2.2 run()

```
void CDP_BatteryParser::run (
            const std::string & fileName )  [static]
```

This function is used to execute the packet processing engine until end-of-file or any processing errors.

Parameters

fileName	

Returns

void

The documentation for this class was generated from the following files:

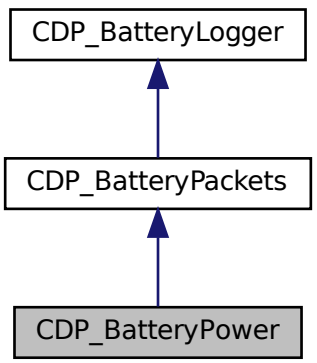
- CDP_BatteryParser.h
- CDP_BatteryParser.cpp

4.5 CDP_BatteryPower Class Reference

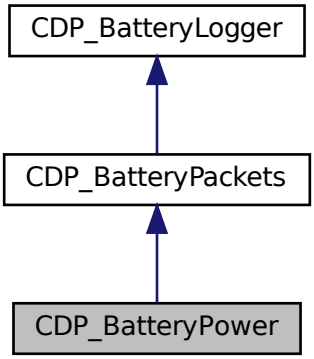
The Singleton Battery Power Class.

```
#include <CDP_BatteryPower.h>
```

Inheritance diagram for CDP_BatteryPower:



Collaboration diagram for CDP_BatteryPower:



Public Member Functions

- template<typename ... Args>
  void cdp_dbg (Args &&... args)

  Class specific override for cdp_dbg.
- template<typename ... Args>
  void cdp_info (Args &&... args)

  Class specific override for cdp_info.
- void step (std::vector< uint8_t > &)

  This function is used to cycle the class state machine once.
- CDP_BatteryPacketsType_t get_type (void)

  This function is used to retrieve the packet type of the class.
- ssize_t get_dataLen (void)

  This function is used to retrieve the data pkt len of the class.
- std::string get_name (void)

  This function is used to retrieve the data name of the class.
- bool get_error (void)

  This function is used to retrieve the error occurred in the class.

Static Public Member Functions

- static CDP_BatteryPackets * getObj (CDP_BatteryPackets::CDP_BatteryPacketsType_t &type)

  This function is used to retrieve a Singleton object of the class.

Additional Inherited Members

4.5.1 Detailed Description

The Singleton Battery Power Class.

4.5.2 Member Function Documentation

4.5.2.1 cdp_dbg()

```
template<typename ...  Args>
CDP_BatteryPower::cdp_dbg (
            Args &&...  args )  [inline]
```

Class specific override for cdp_dbg.

Template Parameters

Args	

Parameters

args	

Returns

void

4.5.2.2 cdp_info()

```
template<typename ...  Args>
CDP_BatteryPower::cdp_info (
            Args &&...  args )  [inline]
```

Class specific override for cdp_info.

Template Parameters

Args	

Parameters

args	

Returns

void

4.5.2.3 get_dataLen()

```
ssize_t CDP_BatteryPower::get_dataLen (
            void  )  [virtual]
```

This function is used to retrieve the data pkt len of the class.

Parameters

void	

Returns

ssize_t

Implements CDP_BatteryPackets.

4.5.2.4 get_error()

```
bool CDP_BatteryPower::get_error (
            void  )  [virtual]
```

This function is used to retrieve the error occurred in the class.

Parameters

void	

Returns

bool

Implements CDP_BatteryPackets.

4.5.2.5 get_name()

```
std::string CDP_BatteryPower::get_name (
            void  )  [virtual]
```

This function is used to retrieve the data name of the class.

Parameters

void	

Returns

std::string

Implements CDP_BatteryPackets.

4.5.2.6 get_type()

```
CDP_BatteryPacketsType_t CDP_BatteryPower::get_type (
            void  )  [virtual]
```

This function is used to retrieve the packet type of the class.

Parameters

void	

Returns

CDP_BatteryPacketsType_t

Implements CDP_BatteryPackets.

4.5.2.7 getObj()

```
CDP_BatteryPackets * CDP_BatteryPower::getObj (
            CDP_BatteryPackets::CDP_BatteryPacketsType_t & type )  [static]
```

This function is used to retrieve a Singleton object of the class.

Parameters

type	is used to verify the correct packet type

Returns

CDP_BatteryPackets *

4.5.2.8 step()

```
CDP_BatteryPower::step (
            std::vector< uint8_t > & data )  [virtual]
```

This function is used to cycle the class state machine once.

Parameters

data	packet to be processed

Returns

void

Implements CDP_BatteryPackets.

The documentation for this class was generated from the following files:

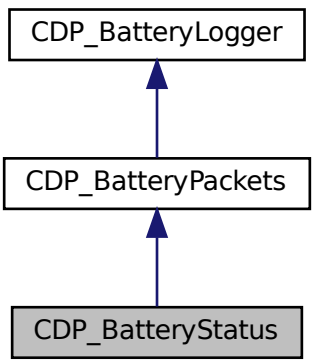
- CDP_BatteryPower.h
- CDP_BatteryPower.cpp

4.6 CDP_BatteryStatus Class Reference

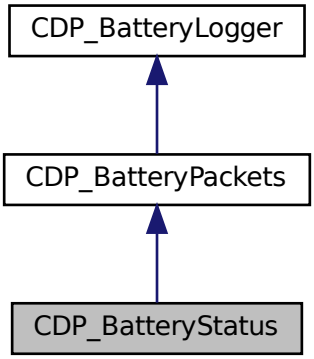
The Singleton Battery Status Class.

`#include <CDP_BatteryStatus.h>`

Inheritance diagram for CDP_BatteryStatus:



Collaboration diagram for CDP_BatteryStatus:



Public Member Functions

- template<typename ... Args>
  void cdp_dbg (Args &&... args)

  Class specific override for cdp_dbg.
- template<typename ... Args>
  void cdp_info (Args &&... args)

  Class specific override for cdp_info.
- void step (std::vector< uint8_t > &)

  This function is used to cycle the class state machine once.
- CDP_BatteryPacketsType_t get_type (void)

  This function is used to retrieve the packet type of the class.
- ssize_t get_dataLen (void)

  This function is used to retrieve the data pkt len of the class.
- std::string get_name (void)

  This function is used to retrieve the data name of the class.
- bool get_error (void)

  This function is used to retrieve the error occurred in the class.

Static Public Member Functions

- static CDP_BatteryPackets * getObj (CDP_BatteryPackets::CDP_BatteryPacketsType_t &type)

  This function is used to retrieve a Singleton object of the class.

Additional Inherited Members

4.6.1 Detailed Description

The Singleton Battery Status Class.

4.6.2 Member Function Documentation

4.6.2.1 cdp_dbg()

```
template<typename ...  Args>
CDP_BatteryStatus::cdp_dbg (
            Args &&...  args )  [inline]
```

Class specific override for cdp_dbg.

Template Parameters

Args	

Parameters

args	

Returns

void

4.6.2.2 cdp_info()

```
template<typename ...  Args>
CDP_BatteryStatus::cdp_info (
            Args &&...  args )  [inline]
```

Class specific override for cdp_info.

Template Parameters

Args	

Parameters

args	

Returns

void

4.6.2.3 get_dataLen()

```
ssize_t CDP_BatteryStatus::get_dataLen (
            void  )  [virtual]
```

This function is used to retrieve the data pkt len of the class.

Parameters

void	

Returns

ssize_t

Implements CDP_BatteryPackets.

4.6.2.4 get_error()

```
bool CDP_BatteryStatus::get_error (
            void  )  [virtual]
```

This function is used to retrieve the error occurred in the class.

Parameters

void	

Returns

bool

Implements CDP_BatteryPackets.

4.6.2.5 get_name()

```
std::string CDP_BatteryStatus::get_name (
            void  )  [virtual]
```

This function is used to retrieve the data name of the class.

Parameters

void	

Returns

std::string

Implements CDP_BatteryPackets.

4.6.2.6 get_type()

```
CDP_BatteryPacketsType_t CDP_BatteryStatus::get_type (
            void  )  [virtual]
```

This function is used to retrieve the packet type of the class.

Parameters

void	

Returns

CDP_BatteryPacketsType_t

Implements CDP_BatteryPackets.

4.6.2.7 getObj()

```
CDP_BatteryPackets * CDP_BatteryStatus::getObj (
            CDP_BatteryPackets::CDP_BatteryPacketsType_t & type )  [static]
```

This function is used to retrieve a Singleton object of the class.

Parameters

type	is used to verify the correct packet type

Returns

CDP_BatteryPackets *

4.6.2.8 step()

```
CDP_BatteryStatus::step (
            std::vector< uint8_t > & data )  [virtual]
```

This function is used to cycle the class state machine once.

Parameters

data	packet to be processed

Returns

void

Implements CDP_BatteryPackets.

The documentation for this class was generated from the following files:

- CDP_BatteryStatus.h
- CDP_BatteryStatus.cpp

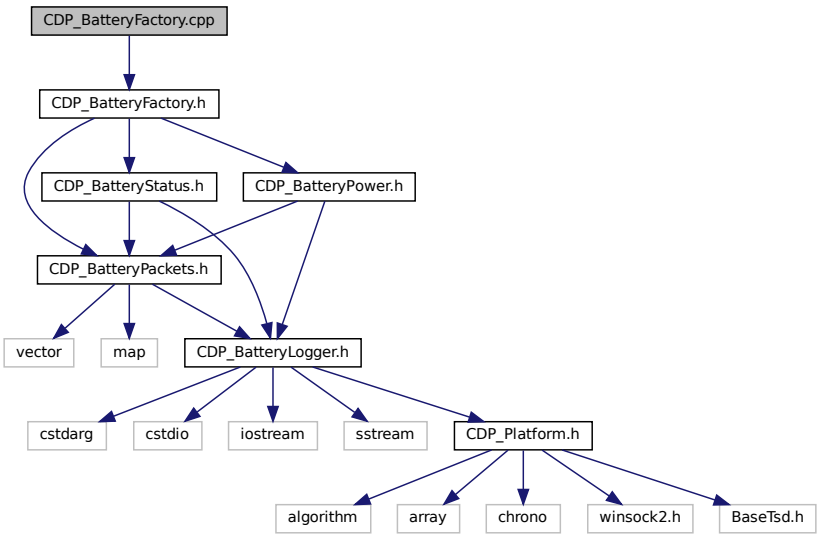
Chapter 5

File Documentation

5.1 CDP_BatteryFactory.cpp File Reference

Battery Factory Class.

`#include "CDP_BatteryFactory.h"`
Include dependency graph for CDP_BatteryFactory.cpp:



5.1.1 Detailed Description

Battery Factory Class.

Author

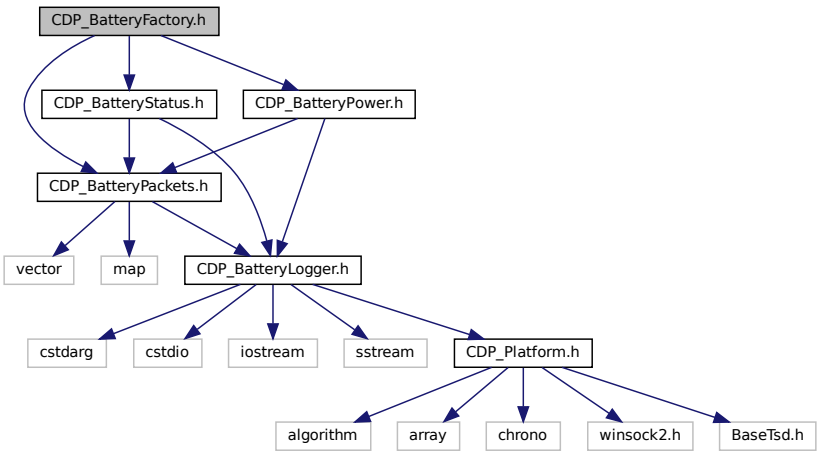
Subhasish Ghosh

5.2 CDP_BatteryFactory.h File Reference

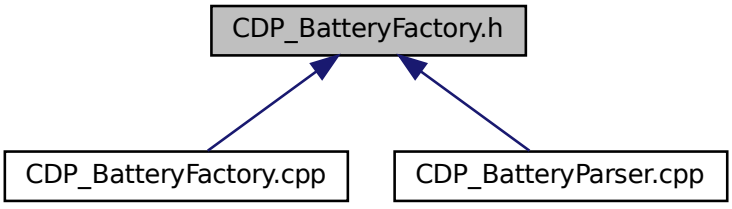
Battery Factory Class.

```
#include "CDP_BatteryPackets.h"
#include "CDP_BatteryPower.h"
#include "CDP_BatteryStatus.h"
```

Include dependency graph for CDP_BatteryFactory.h:



This graph shows which files directly or indirectly include this file:



Classes

- class CDP_BatteryFactory

  The Battery Monitor Factory Class.

5.2.1 Detailed Description

Battery Factory Class.

Author

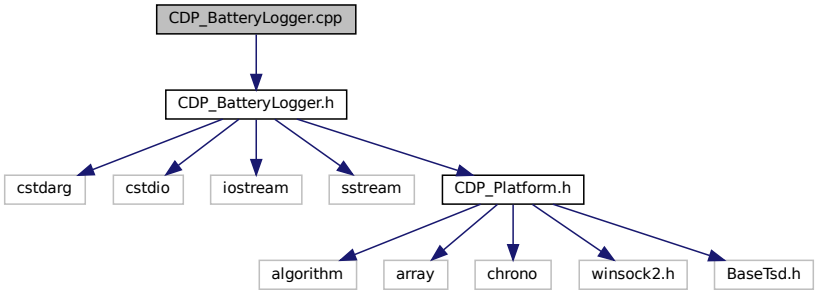
Subhasish Ghosh

5.3 CDP_BatteryLogger.cpp File Reference

Battery Logger Class.

```
#include "CDP_BatteryLogger.h"
```

Include dependency graph for CDP_BatteryLogger.cpp:



5.3.1 Detailed Description

Battery Logger Class.

Author

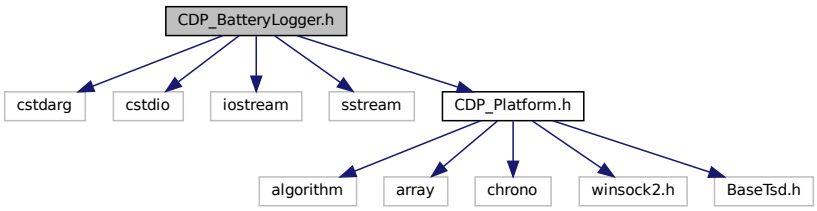
Subhasish Ghosh

5.4 CDP_BatteryLogger.h File Reference

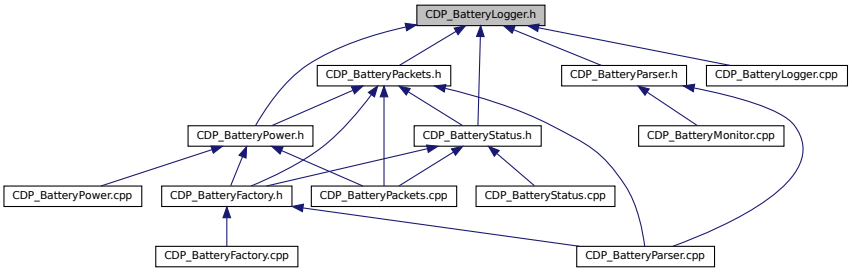
Battery Logger Class.

```
#include <cstdarg>
#include <cstdio>
#include <iostream>
#include <sstream>
#include "CDP_Platform.h"
```

Include dependency graph for CDP_BatteryLogger.h:



This graph shows which files directly or indirectly include this file:



Classes

- class CDP_BatteryLogger

  The Battery Monitor Logging Class.

5.4.1 Detailed Description

Battery Logger Class.

Author

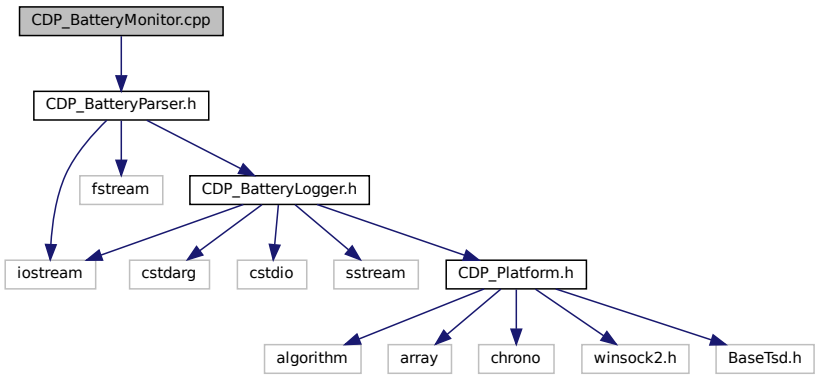
Subhasish Ghosh

5.5 CDP_BatteryMonitor.cpp File Reference

Battery Monitor Application.

```
#include "CDP_BatteryParser.h"
```

Include dependency graph for CDP_BatteryMonitor.cpp:



Functions

- int main (int argc, char **argv)
  The main entry point function.

5.5.1 Detailed Description

Battery Monitor Application.

Note

Requires minimum c++17 to compile

Author

Subhasish Ghosh

5.5.2 Function Documentation

5.5.2.1 main()

```
int main (
            int argc,
            char ** argv )
```

The main entry point function.

Parameters

argc	
argv	

Returns

int

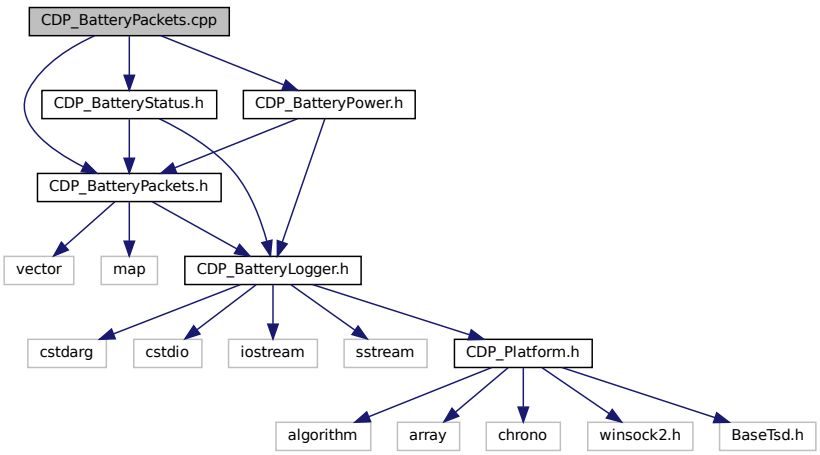
5.6 CDP_BatteryPackets.cpp File Reference

Battery Packet Class.

```
#include "CDP_BatteryPackets.h"
#include "CDP_BatteryPower.h"
```

```
#include "CDP_BatteryStatus.h"
```

Include dependency graph for CDP_BatteryPackets.cpp:



Variables

- std::map< CDP_BatteryPackets::CDP_BatteryPacketsType_t, CDP_BatteryPackets::getPacketObjFuncPtr_t > getPacketObjMap

  This map contains entries for specialised packet processing classes.

5.6.1 Detailed Description

Battery Packet Class.

Author

Subhasish Ghosh

5.6.2 Variable Documentation

5.6.2.1 getPacketObjMap

```
getPacketObjMap
```

Initial value:

```
= {
        std::make_pair(CDP_BatteryPackets::CDP_BatteryPacketsType::CDP_PACKETSTYPE_BATTERYPOWER,
                       CDP_BatteryPower::getObj),
        std::make_pair(CDP_BatteryPackets::CDP_BatteryPacketsType::CDP_PACKETSTYPE_BATTERYSTATUS,
                       CDP_BatteryStatus::getObj),
        std::make_pair(CDP_BatteryPackets::CDP_BatteryPacketsType::CDP_PACKETTYPE_MAX,
                       CDP_BatteryPackets::default_PktHandler)
}
```

This map contains entries for specialised packet processing classes.

The map is of the form <CDP_BatteryPacketsType_t, getPacketObjFuncPtr_t>. The function pointer is used to retrieve a specialised packet processing object. Add a new entry here for newly added packet types and implement the class getObj. To add a new packet processing engine:

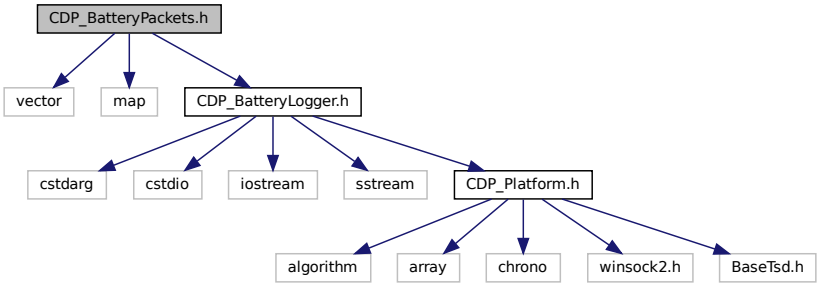
1. Define a new Packet Type in CDP_BatteryPackets.h
2. Define a Packet Processing Class (refer: CDP_BatteryStatus.h/cpp as an example)
3. Add the class entry in the array getPacketObjMap (found in CDP_BatteryPackets.cpp)

5.7 CDP_BatteryPackets.h File Reference

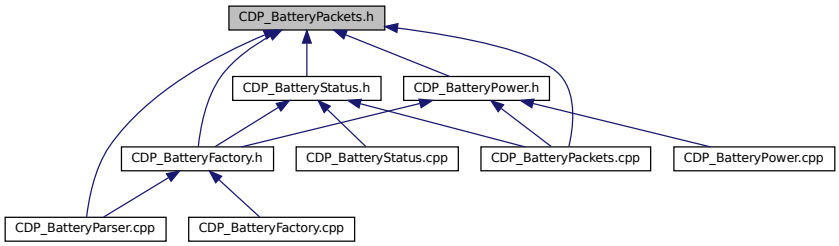
Battery Packets Class.

```
#include <vector>
#include <map>
#include "CDP_BatteryLogger.h"
```

Include dependency graph for CDP_BatteryPackets.h:



This graph shows which files directly or indirectly include this file:



Classes

- class CDP_BatteryPackets

  The Battery Packets Processing Class.

Variables

- std::map< CDP_BatteryPackets::CDP_BatteryPacketsType_t, CDP_BatteryPackets::getPacketObjFuncPtr_t > getPacketObjMap

  This map contains entries for specialised packet processing classes.

5.7.1 Detailed Description

Battery Packets Class.

Author

Subhasish Ghosh

5.7.2 Variable Documentation

5.7.2.1 getPacketObjMap

`std::map<CDP_BatteryPackets::CDP_BatteryPacketsType_t, CDP_BatteryPackets::getPacketObjFuncPtr_t> getPacketObjMap`

This map contains entries for specialised packet processing classes.

The map is of the form <CDP_BatteryPacketsType_t, getPacketObjFuncPtr_t>. The function pointer is used to retrieve a specialised packet processing object. Add a new entry here for newly added packet types and implement the class getObj. To add a new packet processing engine:

1. Define a new Packet Type in CDP_BatteryPackets.h
2. Define a Packet Processing Class (refer: CDP_BatteryStatus.h/cpp as an example)
3. Add the class entry in the array getPacketObjMap (found in CDP_BatteryPackets.cpp)

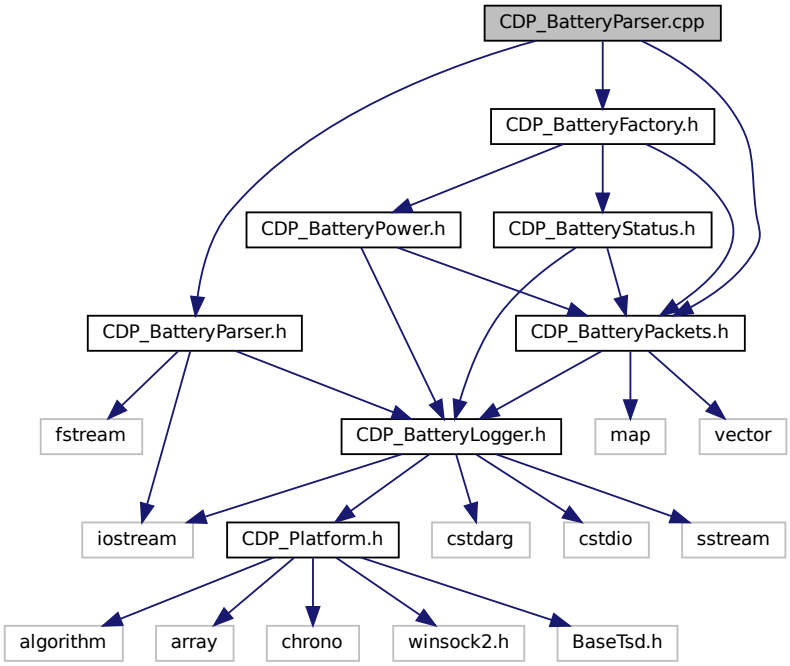
5.8 CDP_BatteryParser.cpp File Reference

Battery Parser Class.

```
#include "CDP_BatteryParser.h"
#include "CDP_BatteryPackets.h"
```

```
#include "CDP_BatteryFactory.h"
```

Include dependency graph for CDP_BatteryParser.cpp:



5.8.1 Detailed Description

Battery Parser Class.

Author

Subhasish Ghosh

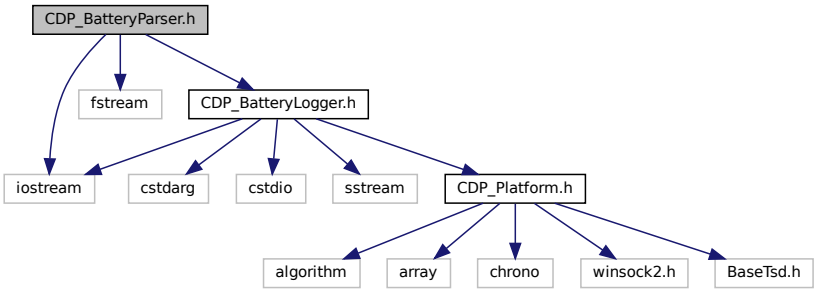
5.9 CDP_BatteryParser.h File Reference

Battery Parser Class.

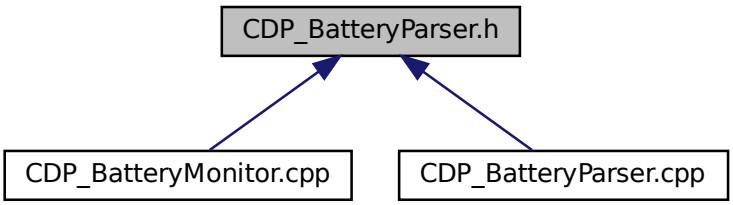
```
#include <iostream>
#include <fstream>
```

```
#include "CDP_BatteryLogger.h"
```

Include dependency graph for CDP_BatteryParser.h:



This graph shows which files directly or indirectly include this file:



Classes

- class CDP_BatteryParser

  The Battery Packets Parsing Class.

Macros

- #define CDP_PACKETLEN_MAX (UINT32_MAX/UINT8_MAX)

  This macro is used to limit the max packet length.

5.9.1 Detailed Description

Battery Parser Class.

Author

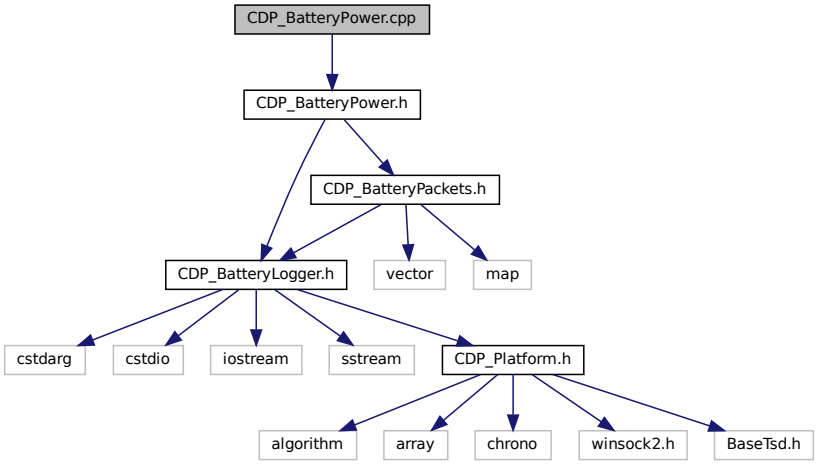
Subhasish Ghosh

5.10 CDP_BatteryPower.cpp File Reference

Battery Power Class.

```
#include "CDP_BatteryPower.h"
```

Include dependency graph for CDP_BatteryPower.cpp:



5.10.1 Detailed Description

Battery Power Class.

Author

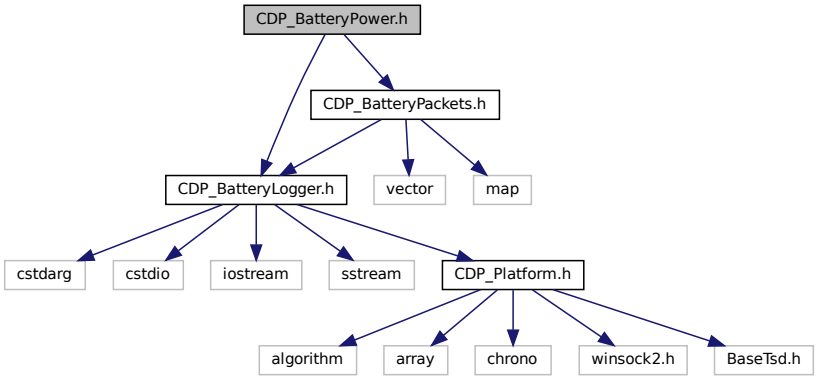
Subhasish Ghosh

5.11 CDP_BatteryPower.h File Reference

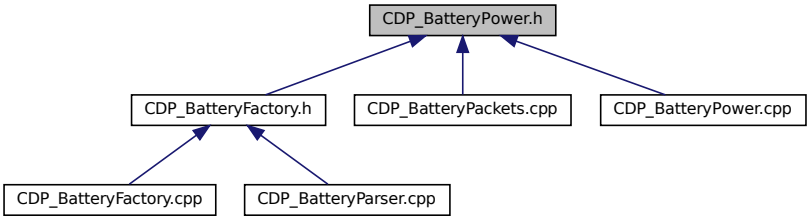
Battery Power Class.

```
#include "CDP_BatteryLogger.h"
#include "CDP_BatteryPackets.h"
```

Include dependency graph for CDP_BatteryPower.h:



This graph shows which files directly or indirectly include this file:



Classes

- class CDP_BatteryPower

  The Singleton Battery Power Class.

Macros

- #define CDP_BATTERYPOWER_DEBOUNCE_MS 10

  Macro defining the debounce signal timing in milli-seconds.

5.11.1 Detailed Description

Battery Power Class.

Author

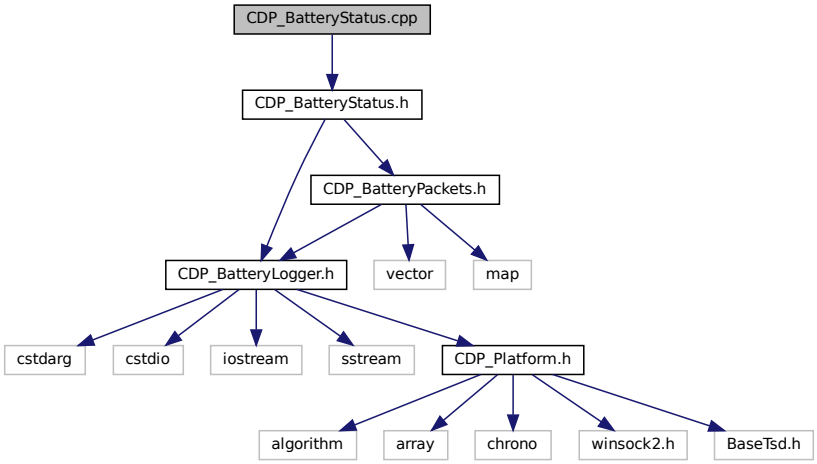
Subhasish Ghosh

5.12 CDP_BatteryStatus.cpp File Reference

Battery Status Class.

```
#include "CDP_BatteryStatus.h"
```

Include dependency graph for CDP_BatteryStatus.cpp:



5.12.1 Detailed Description

Battery Status Class.

Author

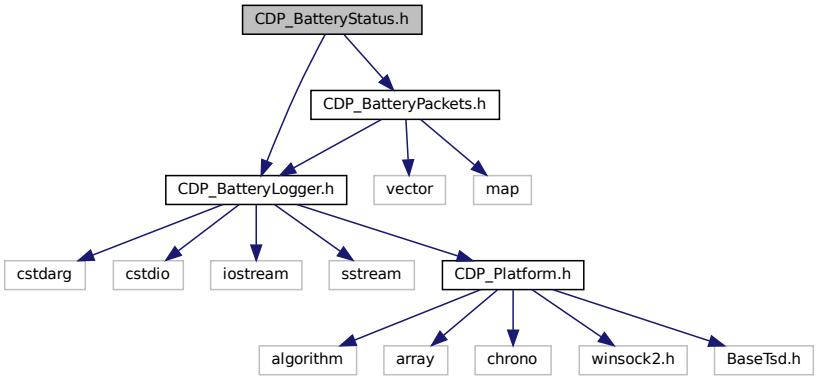
Subhasish Ghosh

5.13 CDP_BatteryStatus.h File Reference

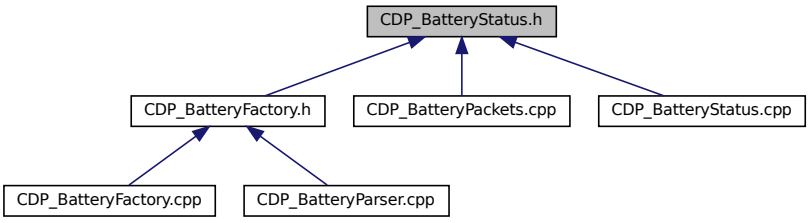
Battery Status Class.

```
#include "CDP_BatteryLogger.h"
#include "CDP_BatteryPackets.h"
```

Include dependency graph for CDP_BatteryStatus.h:



This graph shows which files directly or indirectly include this file:



Classes

- class CDP_BatteryStatus

  The Singleton Battery Status Class.

5.13.1 Detailed Description

Battery Status Class.

Author

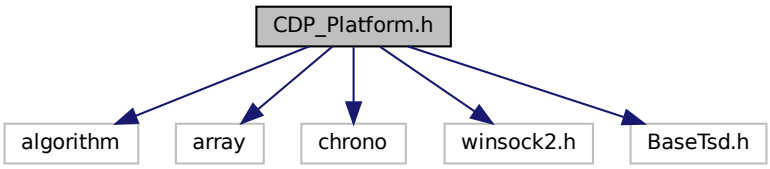
Subhasish Ghosh

5.14 CDP_Platform.h File Reference

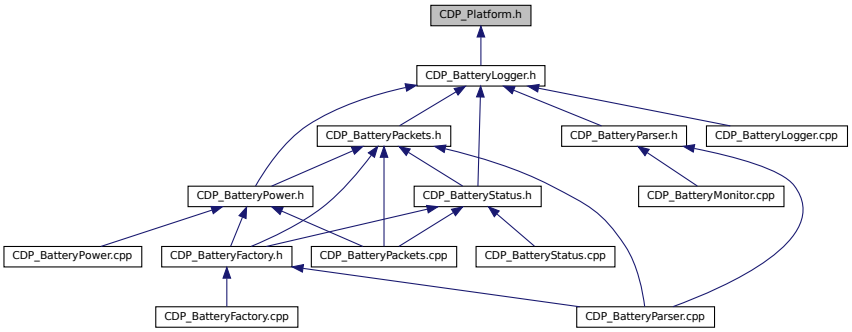
Generic Header for Windows or Linux based compilation.

```
#include <algorithm>
#include <array>
#include <chrono>
#include <winsock2.h>
#include <BaseTsd.h>
```

Include dependency graph for CDP_Platform.h:



This graph shows which files directly or indirectly include this file:



Macros

- #define **cdp_ntohl**(a) ntohl(a)
- #define **cdp_ntohll**(a) ntohll(a)
- #define **PACK**(__Declaration__) __pragma(pack(push, 1)) __Declaration__ __pragma(pack(pop))

Typedefs

- typedef SSIZE_T **ssize_t**

5.14.1 Detailed Description

Generic Header for Windows or Linux based compilation.

Author

Subhasish Ghosh

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