

LEVDC

Brochure

Introduction

Bacancy's LEVDC system is at the forefront of electric vehicle charging technology. Built in accordance with the IS 17017 (Part 2/Sec 6): 2021 standard, it offers a leading edge for charging EVs. With a focus on efficiency and safety, the LEVDC system supports a wide range of charging needs, accommodating voltages of up to 120 V DC and currents of up to 100 A. This advanced system ensures ideal and reliable charging, allowing users convenient access to electric mobility. This transformative technology exemplifies Bacancy's commitment to sustainable solutions that drive positive global change.

Key Features

- Compliant with IS 17017 (Part 2/Sec 6) : 2021
- Supports Single Gun
- Support RFID for Vehicle Authentcaon
- Supports E-Control GUN Locking System
- Interface to Display Charging Data over Modbus
- Support OCPP1.6J and up-gradable to OCPP 2.0.1



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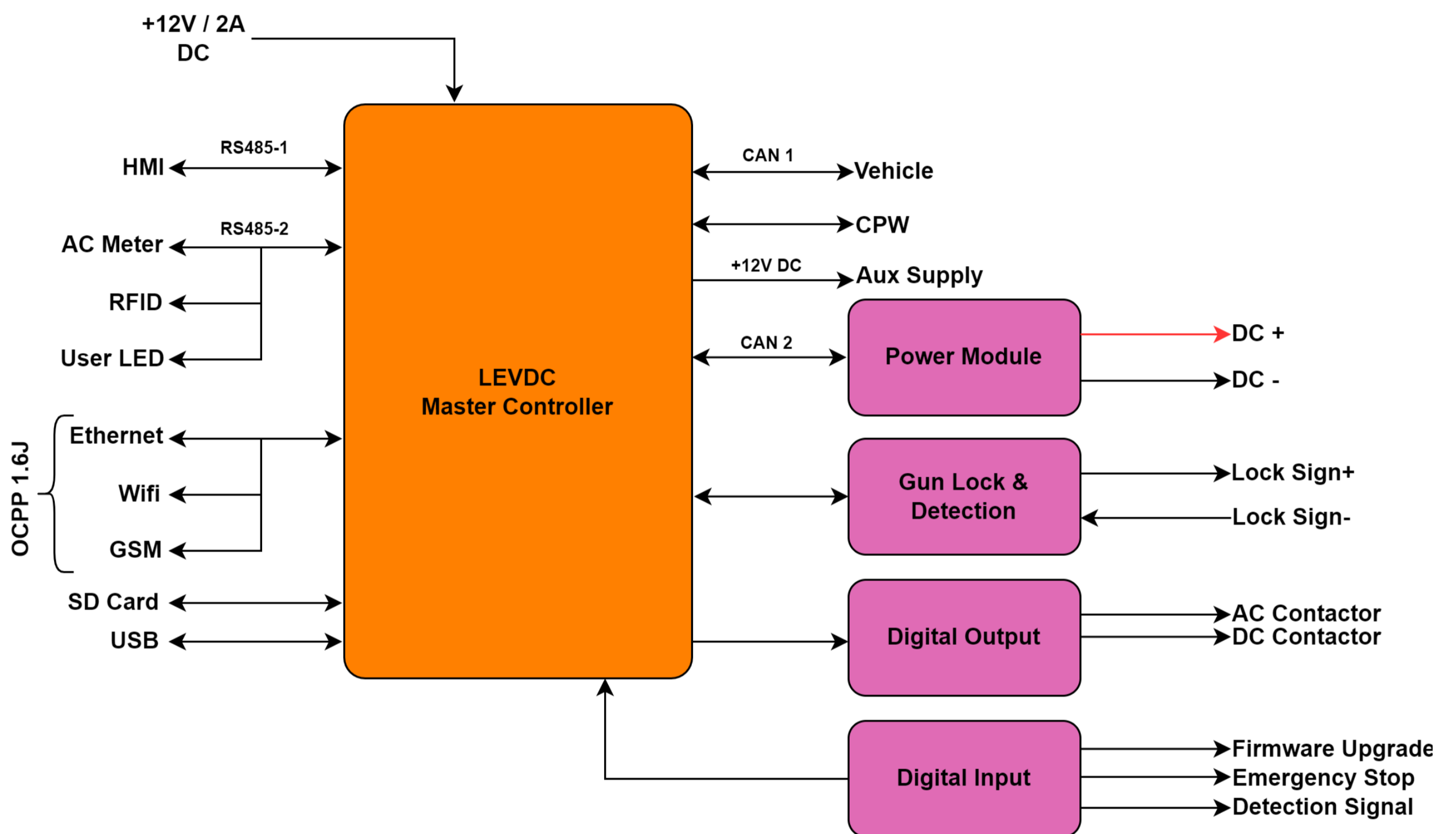
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Key Technical Specifications

Parameters	Specifications
Input Supply	12V DC@2A
Type of Connector support	LEVDC Conformity in surface design with CNS 16127
Standard	IS 17017 (Part 2/Sec 6): 2021 (Standard)
Charger and Vehicle Communication	CAN 2.0
HMI	RS-485 (Modbus RTU Slave)
Power Module Interface	CAN 2.0
Insulation Monitoring Device	I/O Monitoring
Power Measurement	RS-485 (Modbus RTU Master)
RFID	MF RC522, 13.52 MHZ
Network Connection	Ethernet 10/100 LTE (4G fallback to 2G) WiFi - 802.11 b/g/n (802.11n up to 150 Mbps)
OCPP	Support OCPP1.6J, Upgradeable to OCPP 2.0.1
Digital Input	4 Nos. (12V Logic)
Digital Output	6 Nos. (Open Collector)
Temperature Input	4 x RTD
Vehicle lock	Capable of engaging the firearm's lock mechanism
LED	Available using external LED Interface Board
Storage	In-built SD Card up to 32 GB for Data Storage
Operating Temperature	-10°C ~ +70°C
Dimension	210x120x59mm

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Block Diagram