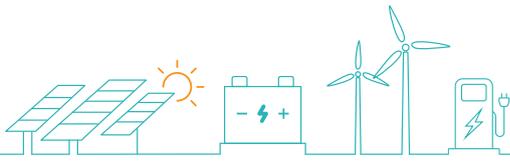


Renewable Energy & Power Supply Application Solution

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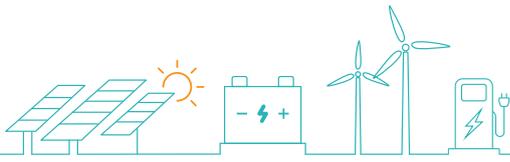
NOVOSENSE: Highly Robust and Reliable Analog and Mixed Signal Chip Company



NOVOSENSE Microelectronics (NOVOSENSE, SSE Stock Code 688052) is a highly robust & reliable analog and mixed signal chip company. Since its establishment in 2013, the company has been focusing on sensor, signal chain, and power management, providing comprehensive semiconductor products and solutions, which are widely used in automotive, industrial, information communication and consumer electronics markets.

With the mission of "Sense & Drive the Future, Build a Green, Smart and Connected World with Semiconductors", the company is committed to providing chip-level solutions to link the digital world and the real world.

For more information and sample application, please visit: www.novosns.com



CONTENTS

● **PV System**

- ⑤ String Inverter
- ⑥ Micro Inverter
- ⑦ Residential Storage Inverter
- ⑧ PCS

⑪ **Portable Power Station**

● **EV Charger**

- ⑭ Control Panel Solution of DC Charger
- ⑮ Power Module

● **Digital Power Supply**

- ⑱ UPS
- ⑳ AC-DC Power Supply
- ㉓ DC-DC Power Supply

⑳ **Adapter Power Supply**



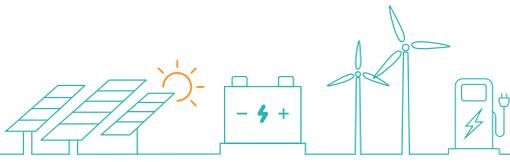
NOVOSENSE PV System Solution



LI-ION BATTERY
ENERGY STORAGE

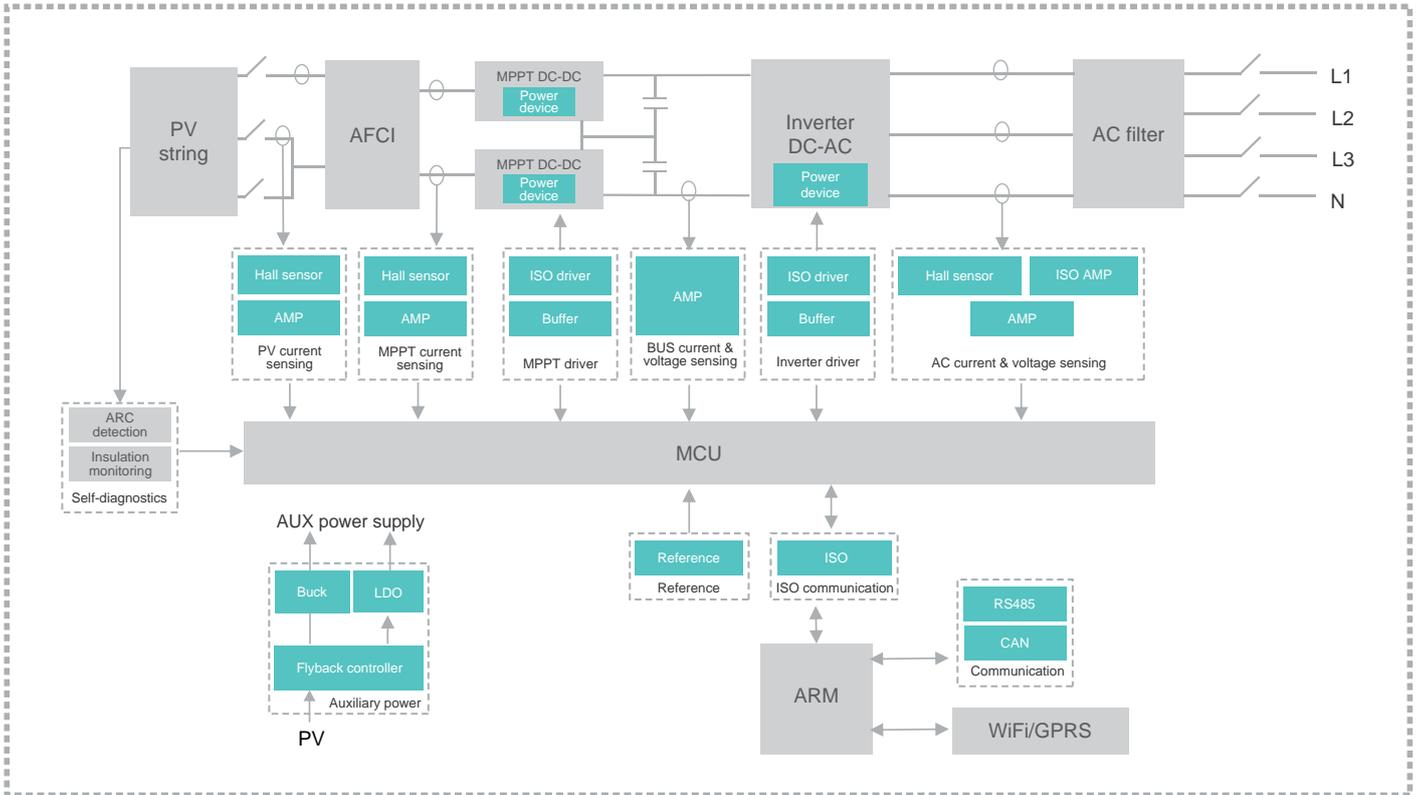
lithium ion batteries
2008058816

CAUTION
9' 6.5" HIGH
8' 6" WIDE
CONTAINER

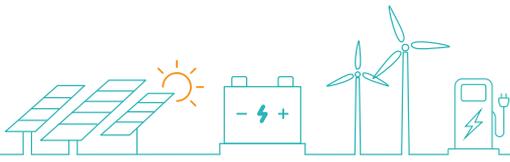


String Inverter

The string PV inverter is currently the most popular inverter type. Its composition is as follows: the first DC-DC stage converts the DC voltage from the PV module to a fixed DC voltage while doing Maximum Power Point Tracking (MPPT), and the second DC-AC stage converts the DC power supply to an AC power supply.

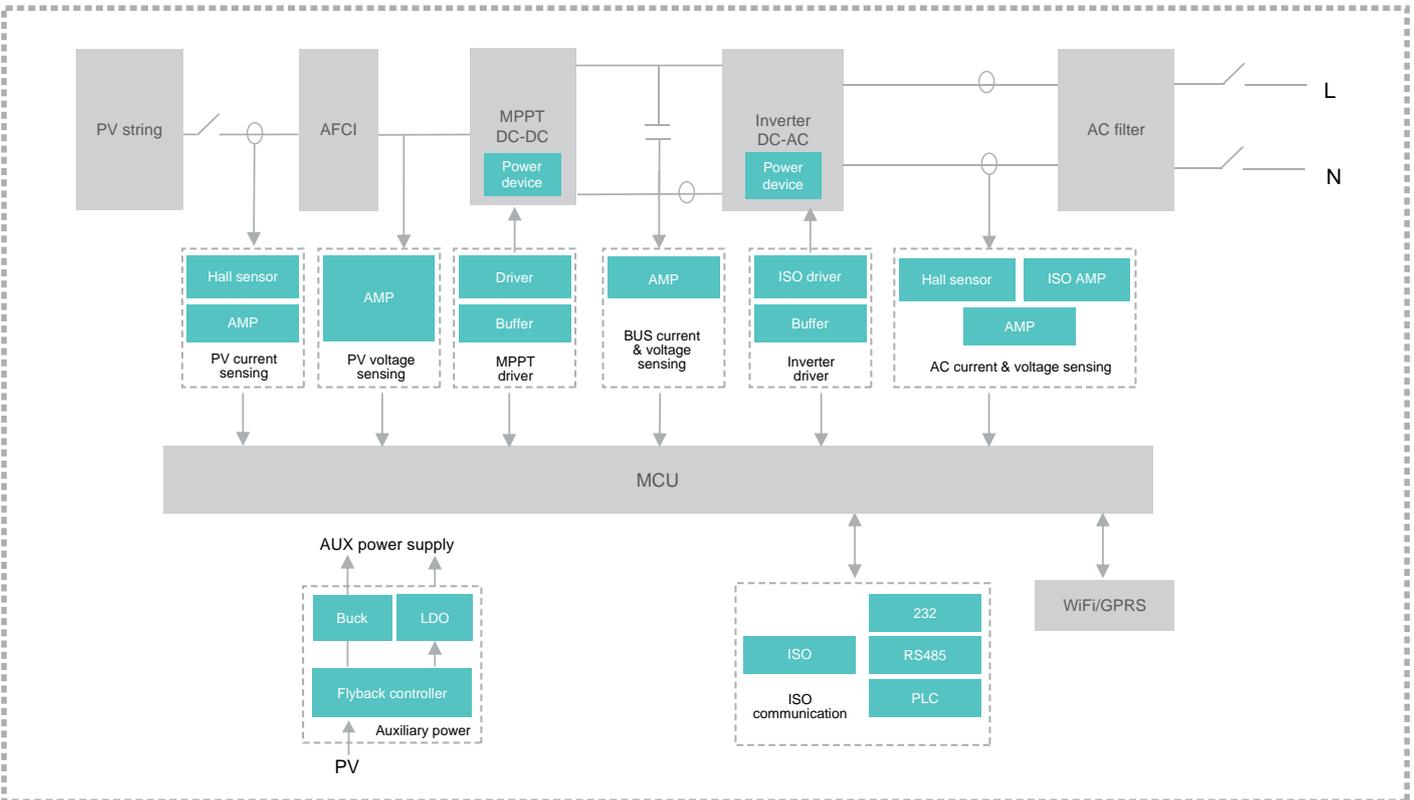


NOVOSENSE Part Number	Product Description	Application
NSM2011, NSM2013, NSM2015, NSM2017, NSM2019	Integrated Hall current sensor	PFC current detection, high-voltage battery charging current detection
NSM211x	Integrated Hall current sensor	PFC current detection, high-voltage battery charging current detection, resonant cavity current detection
NSI1400, NSI1300, NSI1200C, NSI1312, NSI1311	Isolated amplifier	Isolated voltage/current sensing
NSOPA9xxx, NSOPA8xxx	40V high-voltage & 5.5V low-voltage general-purpose operational amplifier	Signal amplification/ conditioning/ active filtering
NST235, NST20	High linearity & high accuracy analog output temperature sensor	Temperature sensing
NST1001, NST1002	D-NTC temperature sensor	Temperature detection
NSI6601	Single-channel isolated gate driver	MOS/IGBT/SiC isolated gate driver
NSI6801	Opto-compatible single-channel isolated gate driver	MOS/IGBT/SiC isolated gate driver
NSI6601M/NSI6801M	Single-channel isolated gate driver with Miller Clamp	MOS/IGBT/SiC isolated gate driver
NCA8244	Buffer	Improve driver ability of bus-oriented receivers and transmitters, clock drivers
NSR31xxx, NSR33xxx, NSR35xxx	40V low Iq LDO	Power supply LDO
NSR104xx	Buck	Power supply Buck
NCA1043(B), NCA1042B, NSI1050, NSI1042	CAN FD TRX	CAN network
NSI824x	Channel isolation	UART/SPI/CAN communication
NSI83086, NSI83085, NCA3176, NSIP83086	RS485 transceiver	RS485 communication
NSREF30xx, NSREF31xx	High-precision voltage references	Current & voltage & temperature sensing
NSR7808	Voltage supervisor	MCU core voltage supervisor
NPD0x0N120A (1200V, 20/30/40/50A)	1200V SiC diode	Solar MPPT power conversion
NPC0x0N120A (1200V, 14~80mΩ)	1200V SiC MOSFET	Solar PFC, DC-DC stage power conversion
NPS0x0N065A (650V, 80/40mΩ)	Super Junction MOSFET	Solar PFC, DC-DC stage power conversion

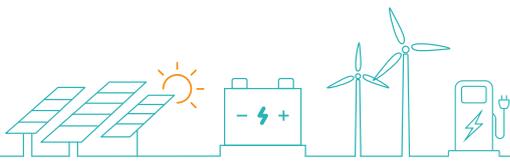


Micro Inverter

Micro inverter performs maximum power point tracking at the module level. It directly integrates the individual PV module with the inverter. The AC/DC conversion and maximum power tracking functions of each module can be performed independently, thus maximizing the overall output power.

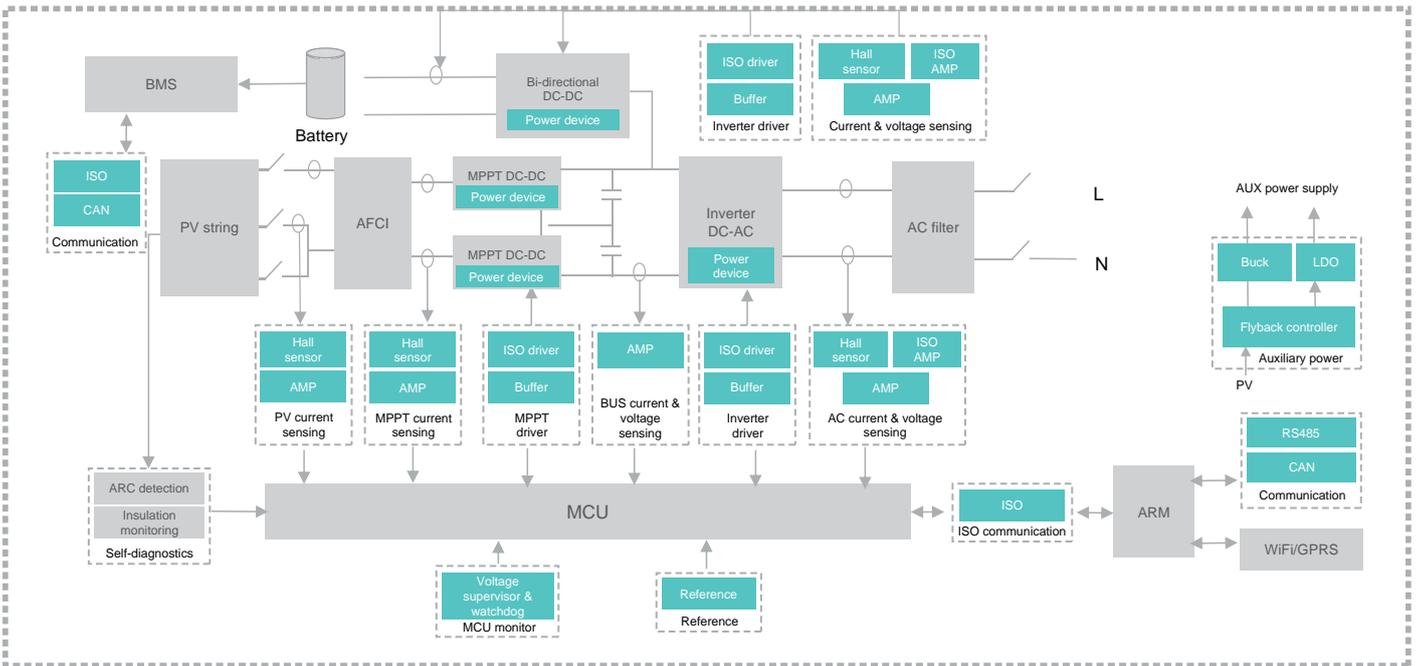


NOVOSENSE Part Number	Product Description	Application
NSM2011, NSM2013, NSM2015, NSM2017, NSM2019	Integrated Hall current sensor	PFC current detection, high-voltage battery charging current detection
NSM211x	Integrated Hall current sensor	PFC current detection, high-voltage battery charging current detection, resonant cavity current detection
NSI1400, NSI1300, NSI1200C, NSI1312, NSI1311	Isolated amplifier	Isolated voltage/current sensing
NSOPA9xxx, NSOPA8xxx	40V high-voltage & 5.5V low-voltage general-purpose operational amplifier	Signal amplification/ conditioning/ active filtering
NSI6601	Single-channel isolated gate driver	MOS/IGBT/SiC isolated gate driver
NSI6801	Opto-compatible single-channel isolated gate driver	MOS/IGBT/SiC isolated gate driver
NSI6601M, NSI6801M	Single-channel isolated gate driver with Miller Clamp	MOS/IGBT/SiC isolated gate driver
NSI6602V	High-performance dual-channel isolated gate driver	MOS/IGBT/SiC isolated gate driver
NSD1026V	High-speed, low-side, dual-channel non-isolated gate driver	MOS/IGBT/SiC non-isolated gate driver
NSD1624	High-voltage non-isolated half bridge gate driver	MOS/IGBT/SiC non-isolated gate driver
NCA8244	Buffer	Improve driver ability of bus-oriented receivers and transmitters, clock drivers
NSR31xxx, NSR33xxx, NSR35xxx	Low power consumption LDO	Power supply
NSR2240x	Flyback controller	Aux power supply
NCA1051A, NCA1042B, NSIP1042, NSI1050, NSI1042	CAN FD transceiver	CAN communication
NSI824x, NSIP884x, NSIP894x, NSIP31, NSIP21, NSIP8942	Channel isolation	UART/SPI/CAN communication
NSI83086, NSI83085, NCA3176, NSIP83086	RS485 transceiver	RS485 communication
NP0x0N120A (1200V, 20/30/40/50A)	1200V SiC diode	Solar MPPT power conversion
NP1030N065A (650V, 30A)	650V IGBT	Solar power conversion unit
NP0x0N065A (650V, 80/190mΩ)	Super Junction MOSFET	Micro-inverter, DC-DC power conversion

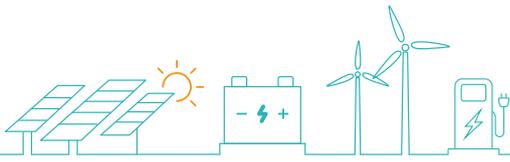


Residential Storage Inverter

The energy storage inverter is the core equipment of the residential energy storage system. It realizes the AC-DC conversion between the battery and the grid as well as the load side, enabling not only the charging and discharging control of the energy storage battery but also the control of power transmission to the grid. In addition, the energy storage inverter is also the information processing control center of the residential energy storage system. It needs to process various information from the rooftop photovoltaic power generation side, the residential energy-consuming load side, and the storage battery power side, and formulates control strategies according to different application scenarios.

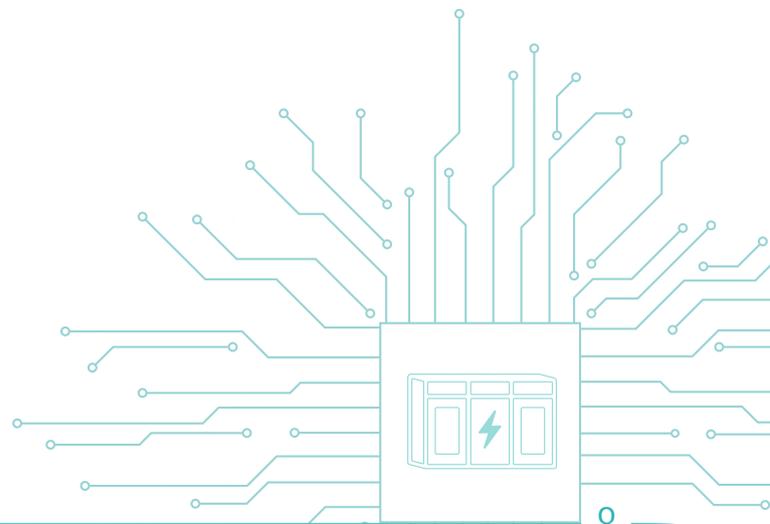
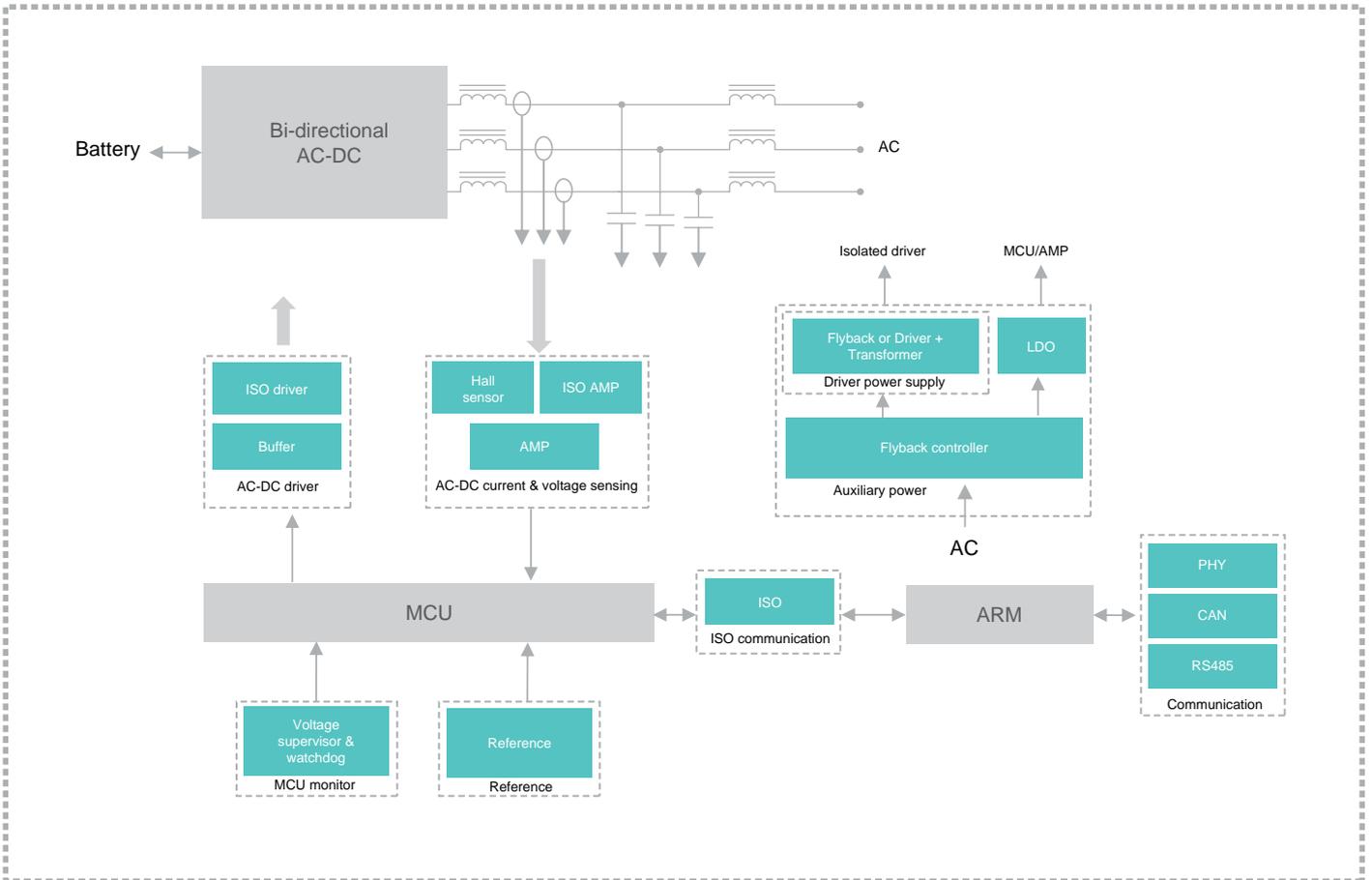


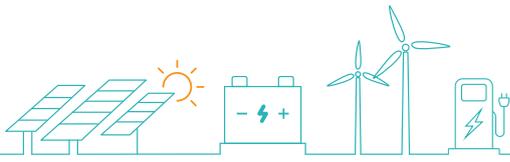
NOVOSENSE Part Number	Product Description	Application
NSM2011, NSM2013, NSM2015, NSM2017, NSM2019	Integrated Hall current sensor	PFC current detection, high-voltage battery charging current detection
NSM211x	Integrated Hall current sensor	PFC current detection, high-voltage battery charging current detection, resonant cavity current detection
NSI1400, NSI1300, NSI1200C, NSI1312, NSI1311	Isolated amplifier	Isolated voltage/current sensing
NSOPA9xxx, NSOPA8xxx	40V high-voltage & 5.5V low-voltage general-purpose operational amplifier	Signal amplification/ conditioning/ active filtering
NST1002	D-NTC temperature sensor	Temperature detection
NSHT3x	Temperature & humidity sensor	Temperature & humidity detection
NSI6601	Single-channel isolated gate driver	MOS/IGBT/SiC isolated gate driver
NSI6801	Opto-compatible single-channel isolated gate driver	MOS/IGBT/SiC isolated gate driver
NSI6601M, NSI6801M	Single-channel isolated gate driver with Miller Clamp	MOS/IGBT/SiC isolated gate driver
NSI6602V	High-performance dual-channel isolated gate driver	MOS/IGBT/SiC isolated gate driver
NCA8244	Buffer	Improve driver ability of bus-oriented receivers and transmitters, clock drivers
NSR31xxx, NSR33xxx, NSR35xxx	40V low Iq LDO	Power supply LDO
NSR2240x	Flyback controller	Aux power supply
NSR104xx	Buck	Power supply Buck
NCA1043(B), NCA1042B, NSI1050, NSI1042	CAN FD transceiver	CAN communication
NSI824x	Channel isolation	UART/SPI/CAN communication
NSI83086, NSI83085, NCA3176, NSIP83086	RS485 transceiver	RS485 communication
NSREF30xx, NSREF31xx	High-precision voltage references	Current & voltage & temperature sensing
NSR7808	Voltage supervisor	MCU core voltage supervisor
NPD0x0N120A (1200V, 20/30/40/50A)	1200V SiC diode	Solar ESS MPPT power conversion
NPC0x0N120A (1200V, 40/60/80mΩ)	1200V SiC MOSFET	Solar ESS PFC, DC-DC power conversion
NPS0x0N065A (650V, 40/80mΩ)	650V Super Junction MOSFET	Solar ESS PFC, DC-DC power conversion



PCS

PCS is the core device of the energy storage system. It is a bidirectional energy conversion device that can control the charging and discharging process of the energy storage system and also realize the bidirectional conversion of AC and DC. It can directly supply power to the load when there is no grid, and also can adjust the active power and reactive power of the grid in the case of grid connection.



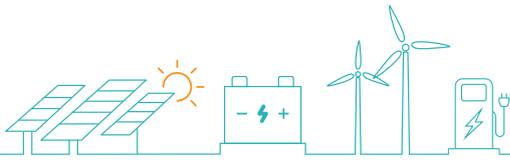


NOVOSENSE Part Number	Product Description	Application
NSM2011, NSM2013, NSM2015, NSM2017, NSM2019	Integrated Hall current sensor	PFC current detection, high-voltage battery charging current detection
NSM211x	Integrated Hall current sensor	PFC current detection, high-voltage battery charging current detection, resonant cavity current detection
NSM2311	Integrated Hall current sensor	PFC current detection, high-voltage battery charging current detection
NSI1400, NSI1300, NSI1200C, NSI1312, NSI1311	Isolated amplifier	Isolated voltage/current sensing
NSOPA9xxx, NSOPA8xxx	40V high-voltage & 5.5V low-voltage general-purpose operational amplifier	Signal amplification/ conditioning/ active filtering
NSI6601	Single-channel isolated gate driver	MOS/IGBT/SiC isolated gate driver
NSI6801	Opto-compatible single-channel isolated gate driver	MOS/IGBT/SiC isolated gate driver
NSI6611	Isolated single-channel driver with protection functions	MOS/IGBT/SiC isolated gate driver
NSI68515	Opto-compatible isolated single-channel driver with protection functions	MOS/IGBT/SiC isolated gate driver
NSI6602V	High-performance dual-channel isolated gate driver	MOS/IGBT/SiC isolated gate driver
NSD1026V	High-speed, low-side, dual-channel non-isolated gate driver	MOS/IGBT/SiC non-isolated gate driver
NSD7312	H-bridge brushed DC motor driver with fault reporting	Relay control
NCA8244	Buffer	Improve driver ability of bus-oriented receivers and transmitters, clock drivers
NSR31xxx, NSR33xxx, NSR35xxx	40V low Iq LDO	Power supply LDO
NSR2240x	Flyback controller	Aux power supply
NSR104xx	Buck	Power supply Buck
NCA1051A, NCA1042B2, NSI1042	CAN FD transceiver	CAN communication
NSI824x	Channel isolation	UART/SPI/CAN communication
NSI83008xE, NSI82xx, NCA3176, NSI83086	RS485 transceiver	RS485 communication
NSREF30xx, NSREF31xx	High-precision voltage references	Current & voltage & temperature sensing
NSR7808	Voltage supervisor	MCU core voltage supervisor



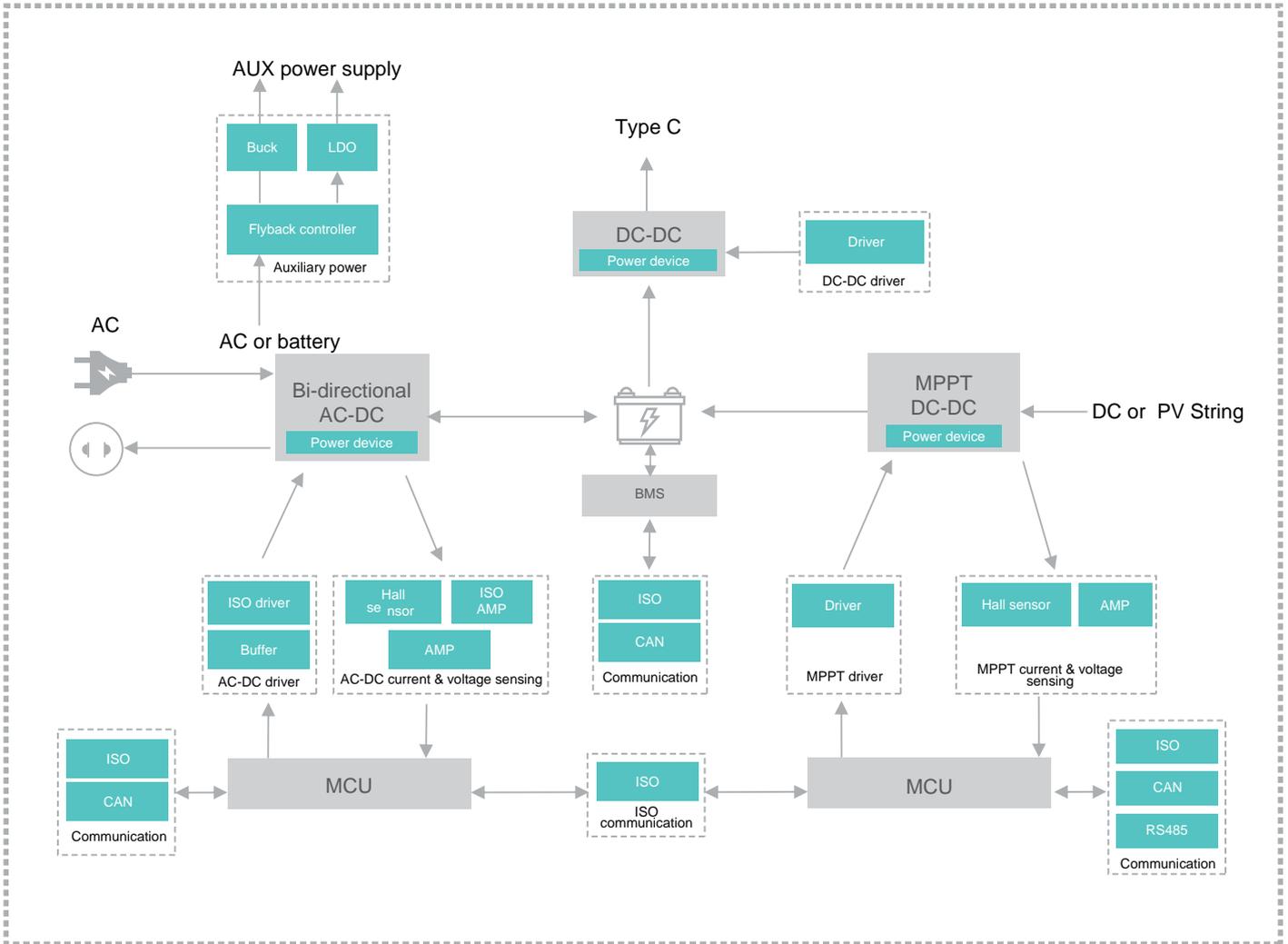
NOVOSENSE Portable Power Station Solution

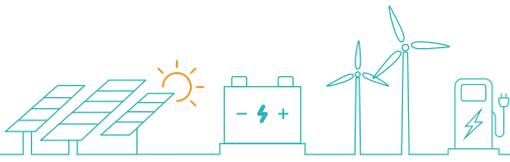




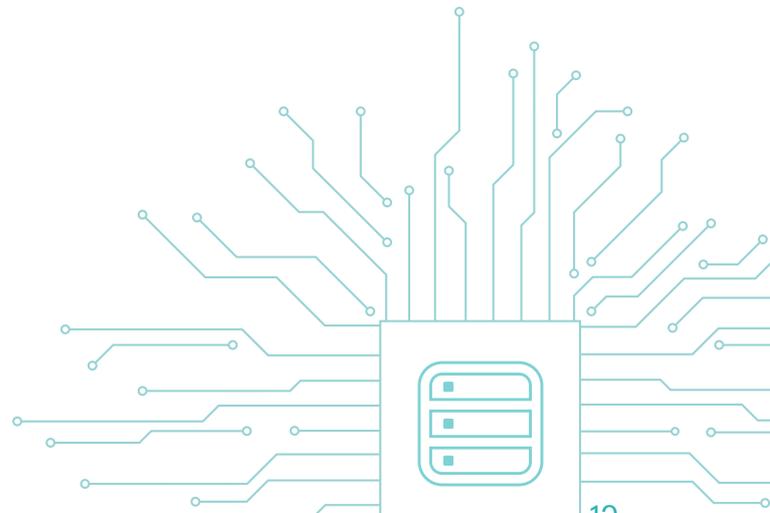
Portable Power Station

Portable Power Station is a small energy storage system that uses built-in lithium-ion batteries with high energy density to provide a stable AC and DC output. Equipped with AC, DC, Type-C, USB, PD and other interfaces, it can be matched with mainstream electronic devices in the market. It can also be used in combination with solar panels, suitable for applications that require portable power.





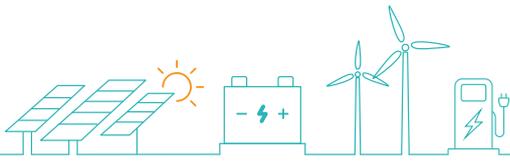
NOVOSENSE Part Number	Product Description	Application
NSM2011, NSM2013, NSM2015, NSM2017, NSM2019	Integrated Hall current sensor	PFC current detection, high-voltage battery charging current detection
NSM211x	Integrated Hall current sensor	PFC current detection, high-voltage battery charging current detection, resonant cavity current detection
NSI1400, NSI1300, NSI1200C, NSI1312, NSI1311	Isolated amplifier	isolated voltage/current sensing
NSOPA9xxx, NSOPA8xxx	40V high-voltage & 5.5V low-voltage general-purpose operational amplifier	Signal amplification/ conditioning/ active filtering
NST1002	D-NTC temperature sensor	Temperature detection
NSHT3x	Temperature & humidity sensor	Temperature & humidity detection
NSI6601	Single-channel isolated gate driver	MOS/IGBT/SiC isolated gate driver
NSI6801	Opto-compatible single-channel isolated gate driver	MOS/IGBT/SiC isolated gate driver
NSI6601M, NSI6801M	Single-channel isolated gate driver with Miller Clamp	MOS/IGBT/SiC isolated gate driver
NSI6602V	High-performance dual-channel isolated gate driver	MOS/IGBT/SiC isolated gate driver
NSD1624	High-voltage non-isolated half bridge gate driver	MOS/IGBT/SiC non-isolated gate driver
NSD1026V	High-speed, low-side, dual-channel non-isolated gate driver	MOS/IGBT/SiC non-isolated gate driver
NCA8244	Buffer	Improve driver ability of bus-oriented receivers and transmitters, clock drivers
NSR31xxx, NSR33xxx, NSR35xxx	40V low Iq LDO	Power supply LDO
NSR2240x	Flyback controller	Aux power supply
NSR104xx	Buck	Power supply Buck
NCA1043(B), NCA1042B, NSI1050, NSI1042	CAN FD transceiver	CAN communication
NSI824x	Channel isolation	UART/SPI/CAN communication
NSI83086, NSI83085, NCA3176, NSIP83086	RS485 transceiver	RS485 communication
NPD0x0N120A (1200V, 20/30/40/50A)	1200V SiC diode	Solar ESS power conversion
NPC0x0N120A (1200V, 40/60/80mohm)	1200V SiC MOSFET	Solar ESS & EV DC Charger PFC, DC-DC stage power conversion
NPS0x0N065A (650V, 40/80mohm)	650V Super Junction MOSFET	PFC, DC-DC power conversion





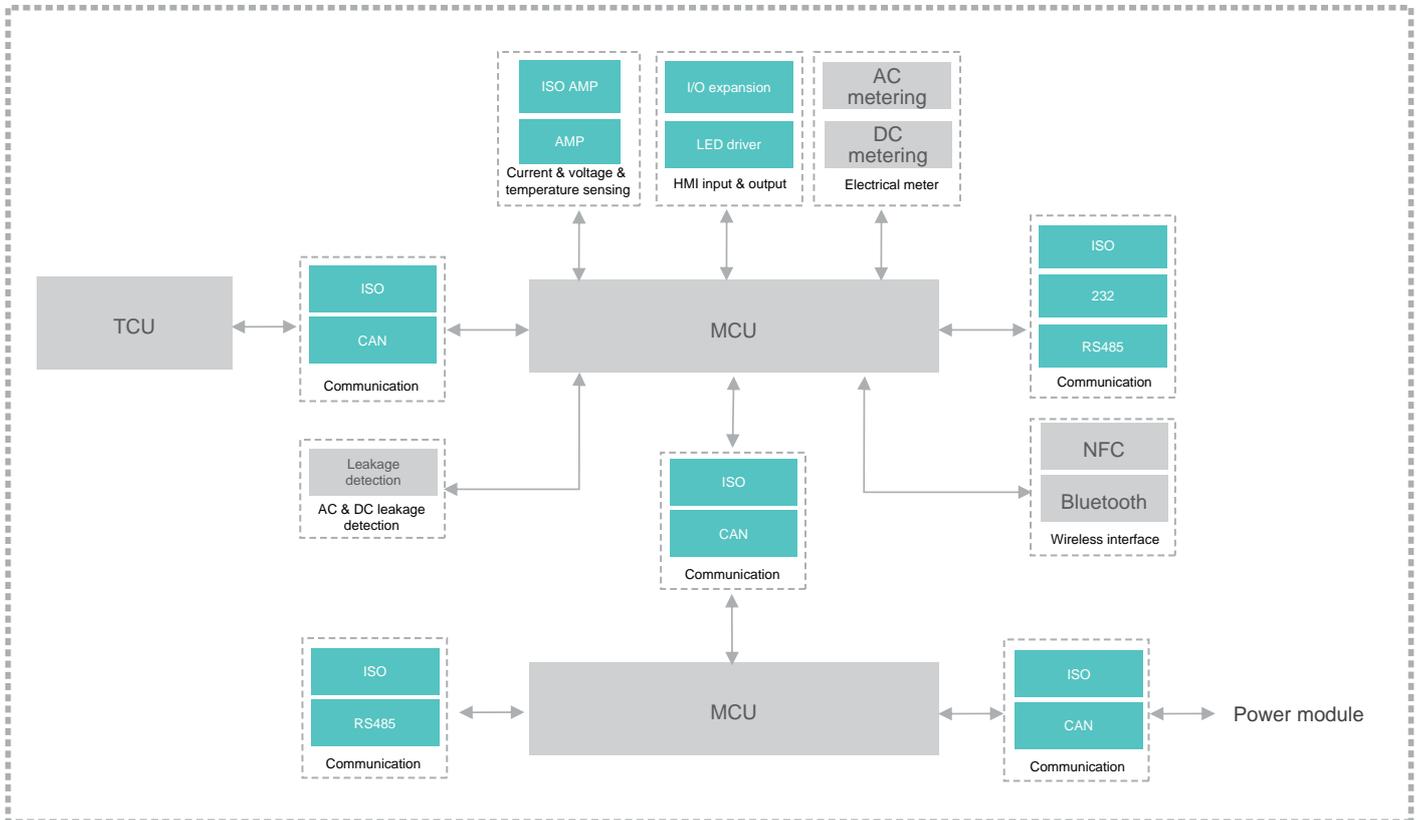
NOVOSENSE
EV Charger Solution



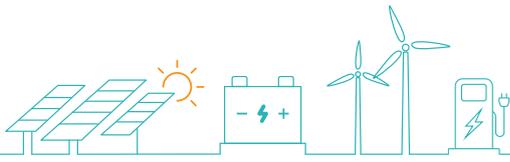


Control Panel Solution of DC Charger

The control system is the brain of the DC charger, controlling the operation and data of the entire charger. It manages the charging process, monitors the operating status, and reports any malfunction or damage. It also records usage logs to help maintenance personnel analyze problems and optimize the performance of the charger.

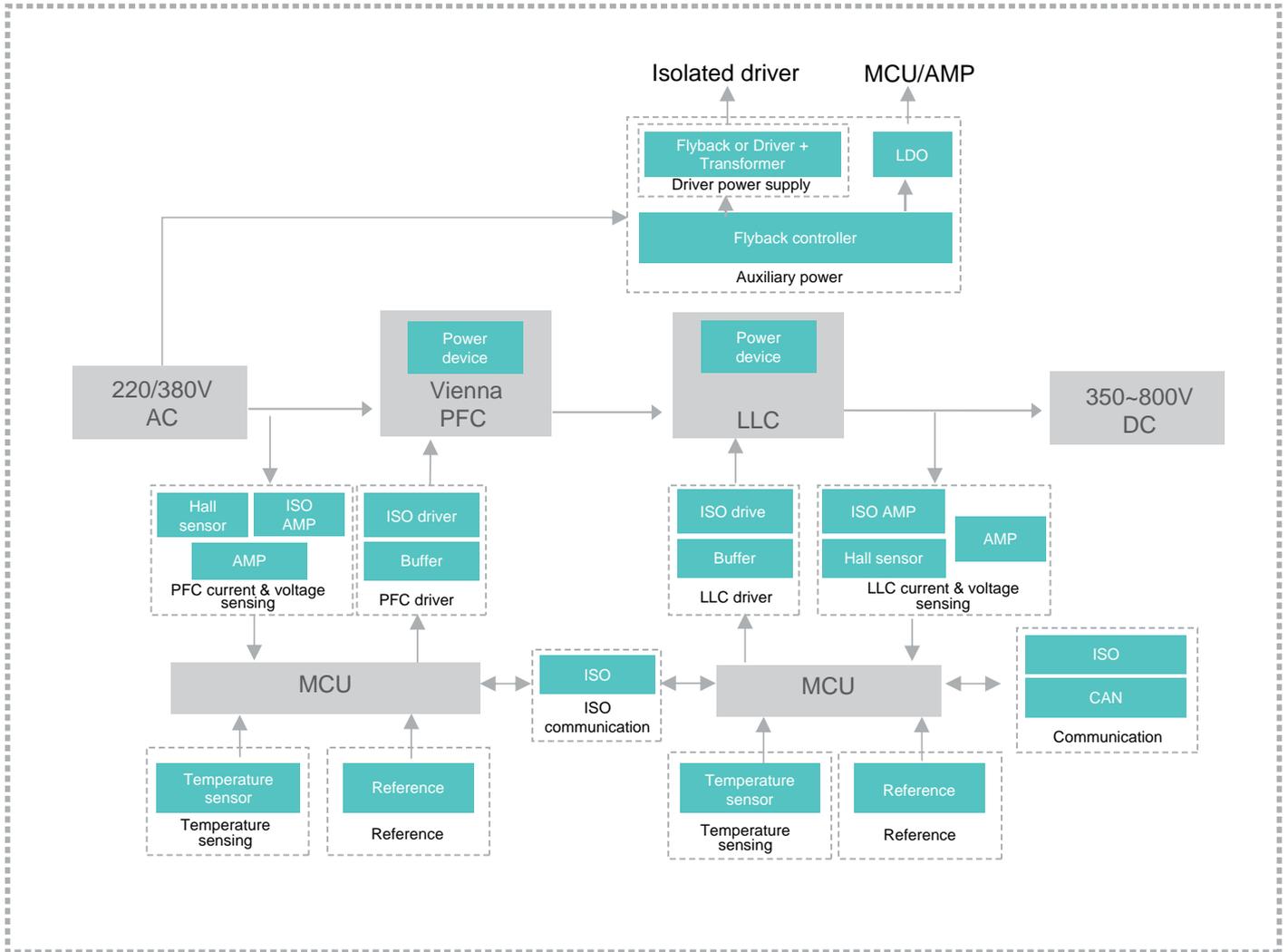


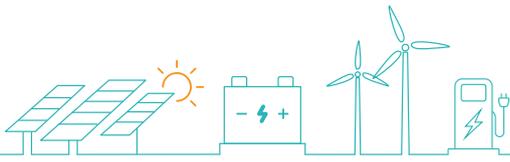
NOVOSENSE Part Number	Product Description	Application
NSI1400, NSI1300, NSI1200C, NSI1312, NSI1311	Isolated amplifier	Isolated voltage/current sensing
NSOPA9xxx, NSOPA8xxx	40V high-voltage & 5.5V low-voltage general-purpose operational amplifier	Signal amplification/ conditioning/ active filtering
NCA1051A, NCA1042B, NSI1050, NSI1042	CAN FD transceiver	CAN communication
NSI824x, NSIP884x, NSIP894x, NSIP31, NSIP21, NSIP8942	Channel isolation	UART/SPI/CAN communication
NSI83086, NSI83085, NCA3176, NSIP83086	RS485 transceiver	RS485 communication
NCA9555	I ² C GPIO expander	I ² C GPIO expander



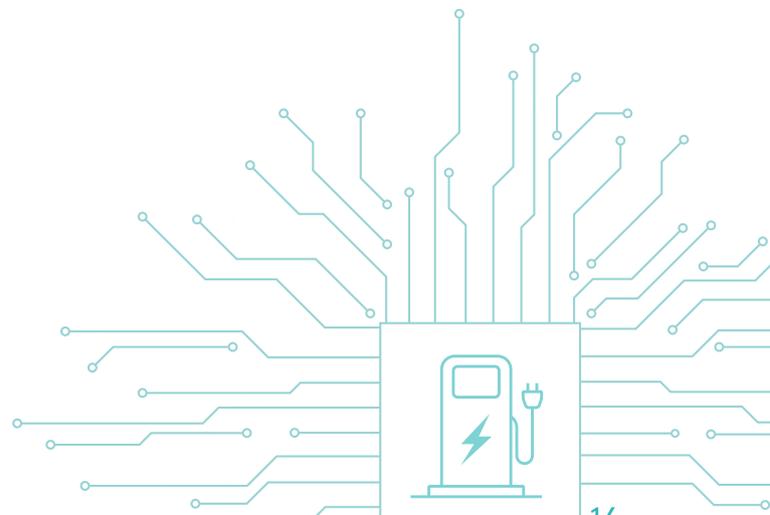
Power Module

The main role of the charger power module is to convert the AC utility power to DC power, and at the same time, deliver the specified current and voltage to the automotive battery according to the BMS.



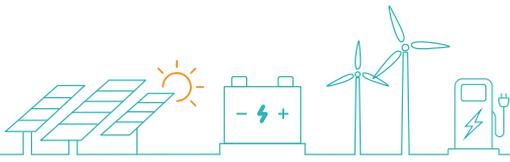


NOVOSENSE Part Number	Product Description	Application
NSM2011, NSM2013, NSM2015, NSM2017, NSM2019	Integrated Hall current sensor	PFC current detection, high-voltage battery charging current detection
NSM211x	Integrated Hall current sensor	PFC current detection, high-voltage battery charging current detection, resonant cavity current detection
NSM2311	Integrated Hall current sensor	PFC current detection, BUS current detection, phase current detection
NSI1400, NSI1300, NSI1200C, NSI1312, NSI 1311	Isolated amplifier	Isolated voltage/current sensing
NSOPA9xxx, NSOPA8xxx	40V high-voltage & 5.5V low-voltage general-purpose operational amplifier	Signal amplification/ conditioning/ active filtering
NST235, NST20	High linearity & high accuracy analog output temperature sensor	Temperature sensing
NSI6601	Single-channel isolated gate driver	MOS/IGBT/SiC isolated gate driver
NSI6801	Opto-compatible single-channel isolated gate driver	MOS/IGBT/SiC isolated gate driver
NSI6601M, NSI6801M	Single-channel isolated gate driver with Miller Clamp	MOS/IGBT/SiC isolated gate driver
NSI6602V	High-performance dual-channel isolated gate driver	MOS/IGBT/SiC isolated gate driver
NSD7312	40V H-bridge brushed DC motor driver with fault reporting	Relay control
NCA8244	Buffer	Improve driver ability of bus-oriented receivers and transmitters, clock drivers
NSR31xxx, NSR33xxx, NSR35xxx	40V low Iq LDO	Power supply LDO
NSR2240x	Flyback controller	Aux power supply
NCA1051A, NCA1042B, NSI1050, NSI1042	CAN FD transceiver	CAN communication
NSI824x, NSIP884x, NSIP894x, NSIP31, NSIP21, NSIP8942	Channel isolation	UART/SPI/CAN communication
NSI83086, NSI83085, NCA3176, NSIP83086	RS485 transceiver	RS485 communication
NSREF30xx, NSREF31xx	High-precision voltage references	Current & voltage & temperature sensing
NSR7808	Voltage supervisor	MCU core voltage supervisor
NPD0x0N120A (1200V, 20/30/40/50A)	1200V SiC diode	EV DC Charger PFC stage power conversion
NPC0x0N120A (1200V, 40/60/80mΩ)	1200V SiC MOSFET	EV DC Charger PFC stage power conversion
NPS0x0N065A (650V, 40/80mΩ)	650V Super Junction MOSFET	EV DC Charger PFC stage power conversion



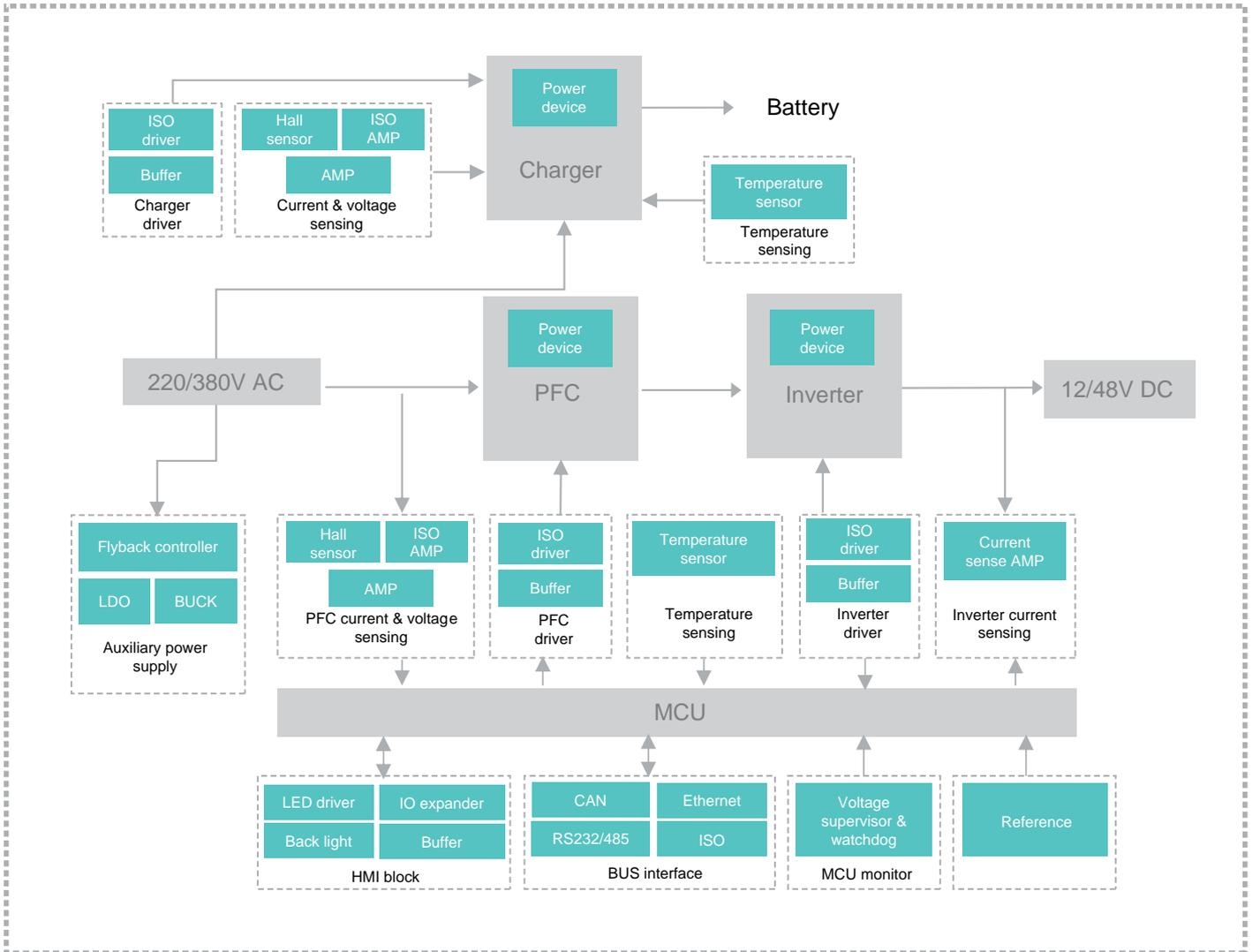


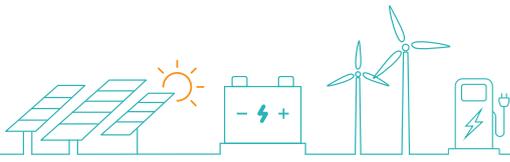
NOVOSENSE Digital Power Supply Solution



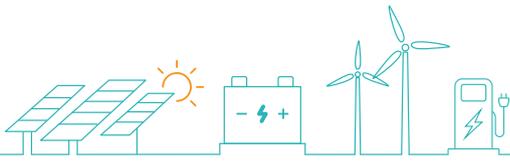
UPS

The uninterruptible power system (UPS) is a power conversion system with rectifier, inverter and energy storage device. It can provide pure AC power and also backup time if utility power is failure, mainly used in financial, data center, medical and industrial equipment applications that required high power quality.





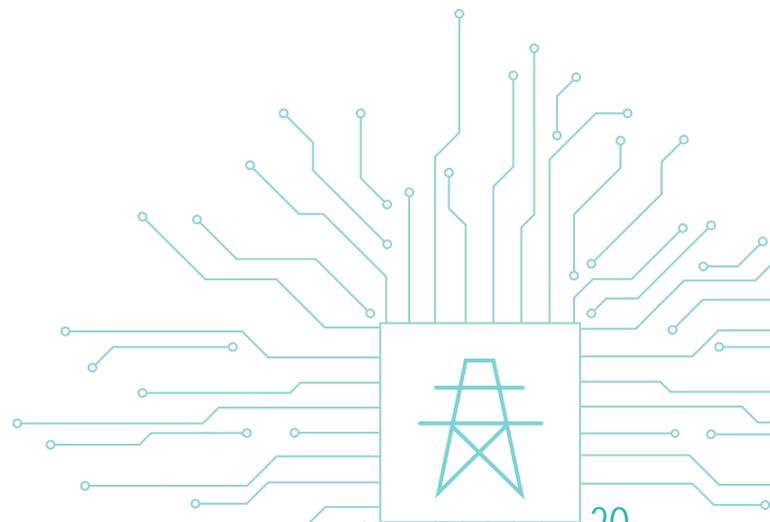
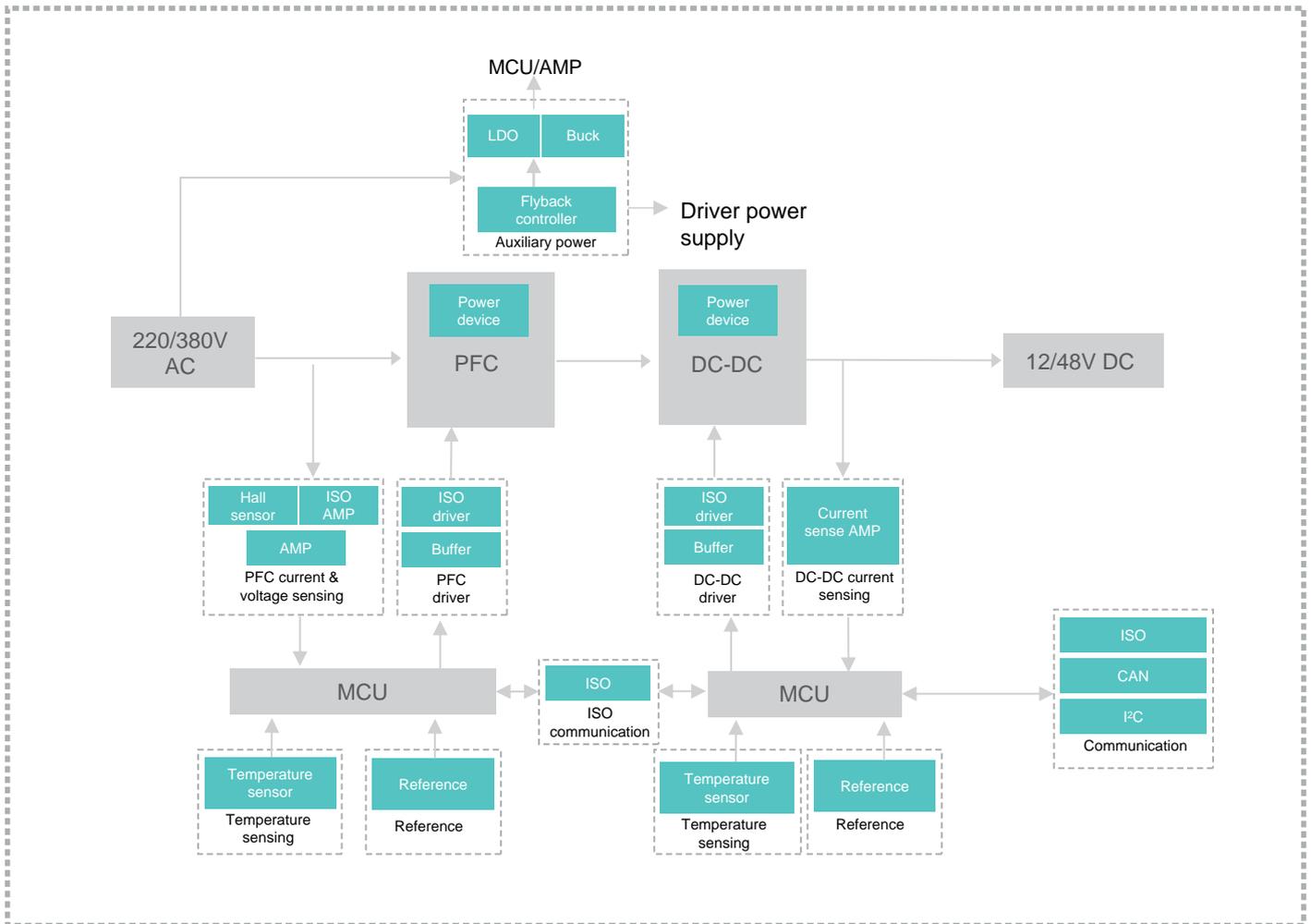
NOVOSENSE Part Number	Product Description	Application
NSM2011, NSM2013, NSM2015, NSM2017, NSM2019	Integrated Hall current sensor	PFC current detection, high-voltage battery charging current detection
NSM2113	Integrated Hall current sensor	PFC current detection, high-voltage battery charging current detection, resonant cavity current detection
NSI1400, NSI1300, NSI1200C, NSI1312, NSI1311	Isolated amplifier	Isolated voltage/current sensing
NSOPA9xxx, NSOPA8xxx	40V high-voltage & 5.5V low-voltage general-purpose operational amplifier	Signal amplification/ conditioning/ active filtering
NST235, NST20	High linearity & high accuracy analog output temperature sensor	Temperature sensing
NSI6601	Single-channel isolated gate driver	MOS/IGBT/SiC isolated gate driver
NSI6801	Opto-compatible single-channel isolated gate driver	MOS/IGBT/SiC isolated gate driver
NSI6601M	Single-channel isolated gate driver with Miller Clamp	MOS/IGBT/SiC isolated gate driver
NSI6602V	High-performance dual-channel isolated gate driver	MOS/IGBT/SiC isolated gate driver
NSD1026V	High-speed, low-side, dual-channel non-isolated gate driver	MOS/IGBT/SiC non-isolated gate driver
NSD1624	High-voltage non-isolated half bridge gate driver	MOS/IGBT/SiC non-isolated gate driver
NCA8244	Buffer	Improve driver ability of bus-oriented receivers and transmitters, clock drivers
NSR31xxx, NSR33xxx, NSR35xxx	40V low Iq LDO	Power supply LDO
NSR2240x	Flyback controller	Aux power supply
NSR104xx	Buck	Power supply Buck
NSR7808	Voltage supervisor	MCU core voltage supervisor
NSI1042, NSI1050, NCA1051A, NCA1042B	CAN FD transceiver	CAN communication
NSI822x, NSI823x, NSI824x, NSIP894x, NIRSP31, NIRS21, NIRS31	Channel isolation	UART/SPI/CAN communication
NSI83085, NSI83086, NCA3485	RS485 transceiver	RS485 communication
NSREF30xx, NSREF31xx	High-precision voltage references	Current & voltage & temperature sensing
NPD0x0N120A (1200V, 20/30/40/50A)	1200V SiC diode	EV DC Charger PFC stage power conversion
NPC0x0N120A (1200V, 40/60/80mΩ)	1200V SiC MOSFET	EV DC Charger PFC, DC-DC power conversion
NPS0x0N065A (650V, 40/80mΩ)	650V Super Junction MOSFET	EV DC Charger PFC stage power conversion

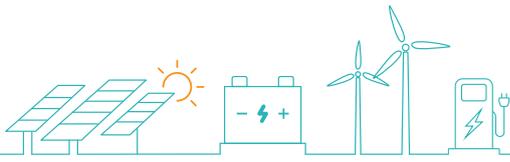


AC-DC Power Supply

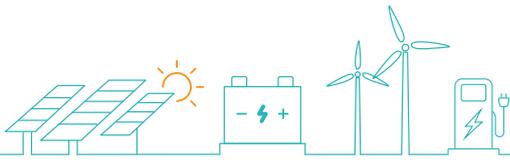
Communication and Server Power Supply

The AC-DC Power Supply (communication and servers) converts utility AC power to DC power. It usually includes a PFC part and a DC power conversion part.





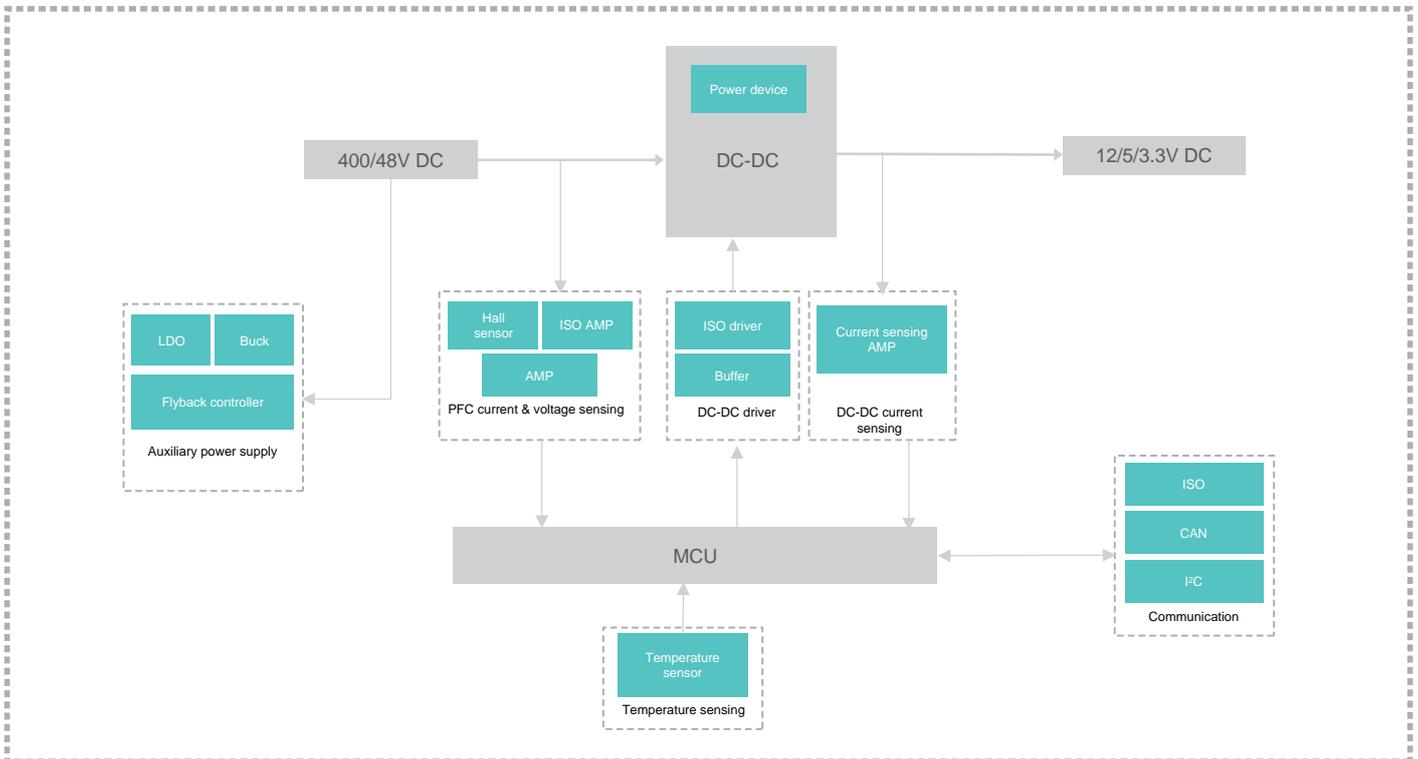
NOVOSENSE Part Number	Product Description	Application
NSM2011, NSM2013, NSM2015, NSM2017, NSM2019	Integrated Hall current sensor	PFC current detection, high-voltage battery charging current detection
NSM2113	Integrated Hall current sensor	PFC current detection, high-voltage battery charging current detection, resonant cavity current detection
NSI1400, NSI1300, NSI1200C, NSI1312, NSI1311	Isolated amplifier	Isolated voltage/current sensing
NSOPA9xxx, NSOPA8xxx	40V high-voltage & 5.5V low-voltage general-purpose operational amplifier	Signal amplification/ conditioning/ active filtering
NSCSA21x, NSCSA24x	Current sensing amplifier	Achieve higher system accuracy, better feedback control and protection
NST235, NST20	High linearity & high accuracy analog output temperature sensor	Temperature sensing
NSI6601	Single-channel isolated gate driver	MOS/IGBT/SiC isolated gate driver
NSI6601M	Single-channel isolated gate driver with Miller Clamp	MOS/IGBT/SiC isolated gate driver
NSI6602V	High-performance dual-channel isolated gate driver	MOS/IGBT/SiC isolated gate driver
NSD1224	120V Half-bridge gate driver	MOS/IGBT/SiC non-isolated gate driver
NSD1624	High-voltage non-isolated half bridge gate driver	MOS/IGBT/SiC non-isolated gate driver
NSD1026V	High-speed, low-side, dual-channel non-isolated gate driver	MOS/IGBT/SiC non-isolated gate driver
NCA8244	Buffer	Improve driver ability of bus-oriented receivers and transmitters, clock drivers
NSR31xxx, NSR33xxx, NSR35xxx	40V low Iq LDO	Power supply LDO
NSR28C4x	PWM controller	Aux power supply
NSR104xx	Buck	Power supply Buck
NSI1042, NSI1050, NCA1051A, NCA1042B	CAN FD transceiver	CAN communication
NSI822x, NSI823x, NSI824x, NSIP894x, NIRSP31, NIRS21, NIRS31	Channel isolation	UART/SPI/CAN communication
NSI83085, NSI83086, NCA3485	RS485 transceiver	RS485 communication
NSI8200, NSI8100	I ² C	I ² C communication
NSREF30xx, NSREF31xx	High-precision voltage references	Current & voltage & temperature sensing
NPD0x0N120A (1200V, 20/30/40/50A)	1200V SiC diode	EV DC charger PFC stage power conversion
NPC0x0N120A (1200V, 40/60/80mΩ)	1200V SiC MOSFET	EV DC charger PFC, DC-DC power conversion
NPS0x0N065A (650V, 40/80mΩ)	Super Junction MOSFET	EV DC charger PFC stage power conversion



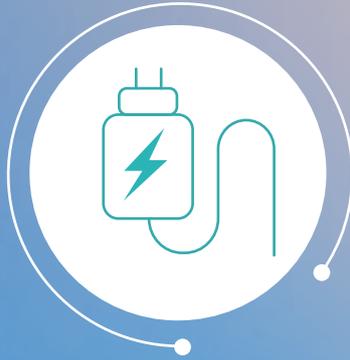
DC-DC Power Supply

Industrial Power Supply, Power Module

DC-DC Power Supply converts voltage between DC and DC. The output voltage can be higher or lower than the input, and also it can be inverted.



NOVOSENSE Part Number	Product Description	Application
NSM2011, NSM2013, NSM2015, NSM2017, NSM2019	Integrated Hall current sensor	PFC current detection, high-voltage battery charging current detection
NSM211x	Integrated Hall current sensor	PFC current detection, high-voltage battery charging current detection, resonant cavity current detection
NSI1400, NSI1300, NSI1200C, NSI1312, NSI1311	Isolated amplifier	Isolated voltage/current sensing
NSOPA9xxx, NSOPA8xxx	40V high-voltage & 5.5V low-voltage general-purpose operational amplifier	Signal amplification/ conditioning/ active filtering
NSCSA21x, NSCSA24x	Current sensing amplifier	Achieve higher system accuracy, better feedback control and protection
NST235, NST20	High linearity & high accuracy analog output temperature sensor	Temperature sensing
NSI6602V	High-performance dual-channel isolated gate driver	MOS/IGBT/SiC isolated gate driver
NSD1026V	High-speed, low-side, dual-channel non-isolated gate driver	MOS/IGBT/SiC non-isolated gate driver
NSD1224	120V Half-bridge gate driver	MOS/IGBT/SiC non-isolated gate driver
NCA8244	Buffer	Improve driver ability of bus-oriented receivers and transmitters, clock drivers
NSR31xxx, NSR33xxx, NSR35xxx	40V low Iq LDO	Power supply LDO
NSR28C4x	PWM controller	Aux power supply
NSR104xx	Buck	Power supply Buck
NSI1042, NSI1050, NCA1051A, NCA1042B	CAN FD transceiver	CAN communication
NSI822x, NSI823x, NSI824x, NSIP894x, NIRSP31, NIRS21, NIRS31	Channel isolation	UART/SPI/CAN communication
NSI8200, NSI8100	I2C	I2C communication
NPS0x0N065A (650V, 40/80mΩ)	650V SiC MOSFET	DC-DC stage power conversion



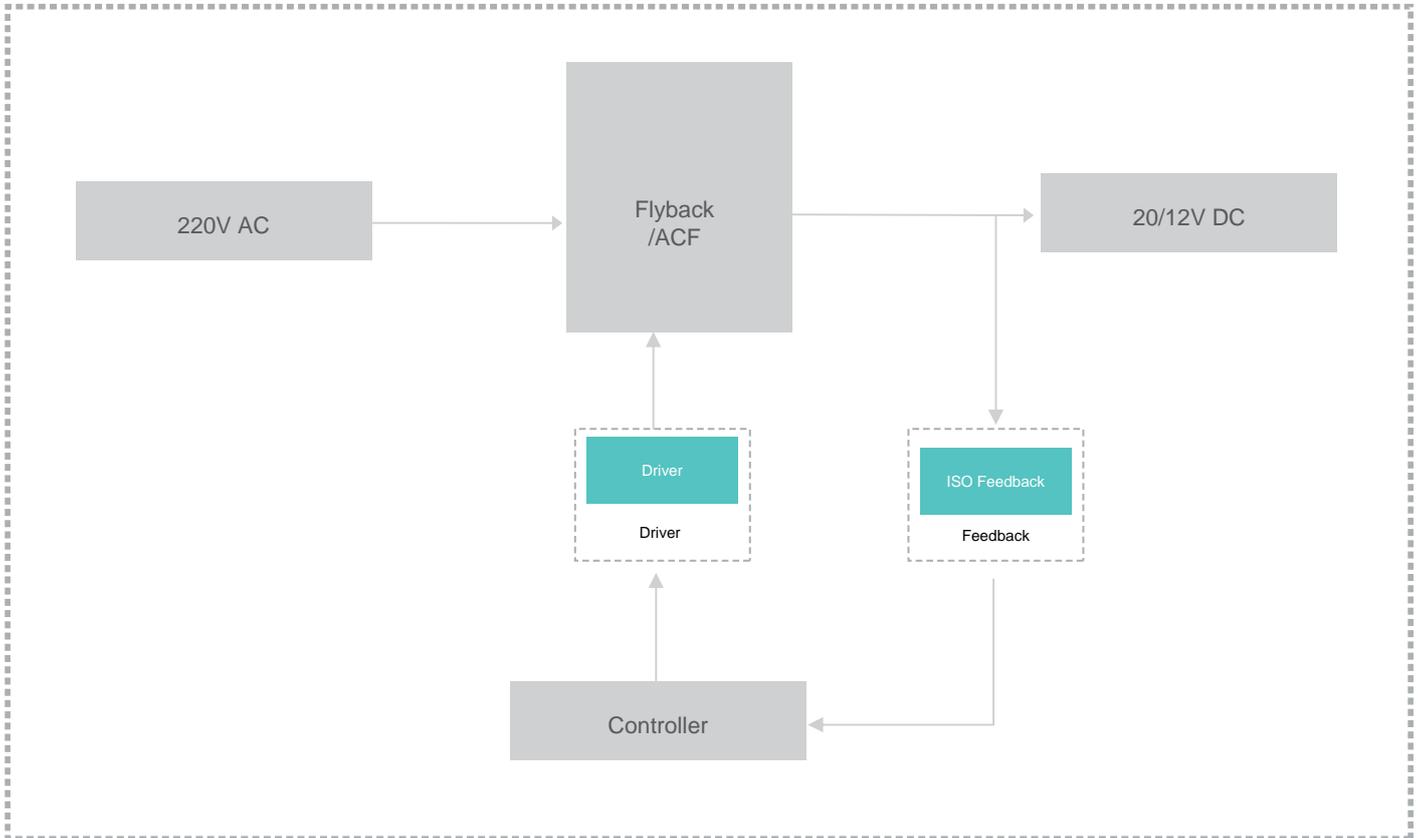
NOVOSENSE Adapter Power Supply Solution



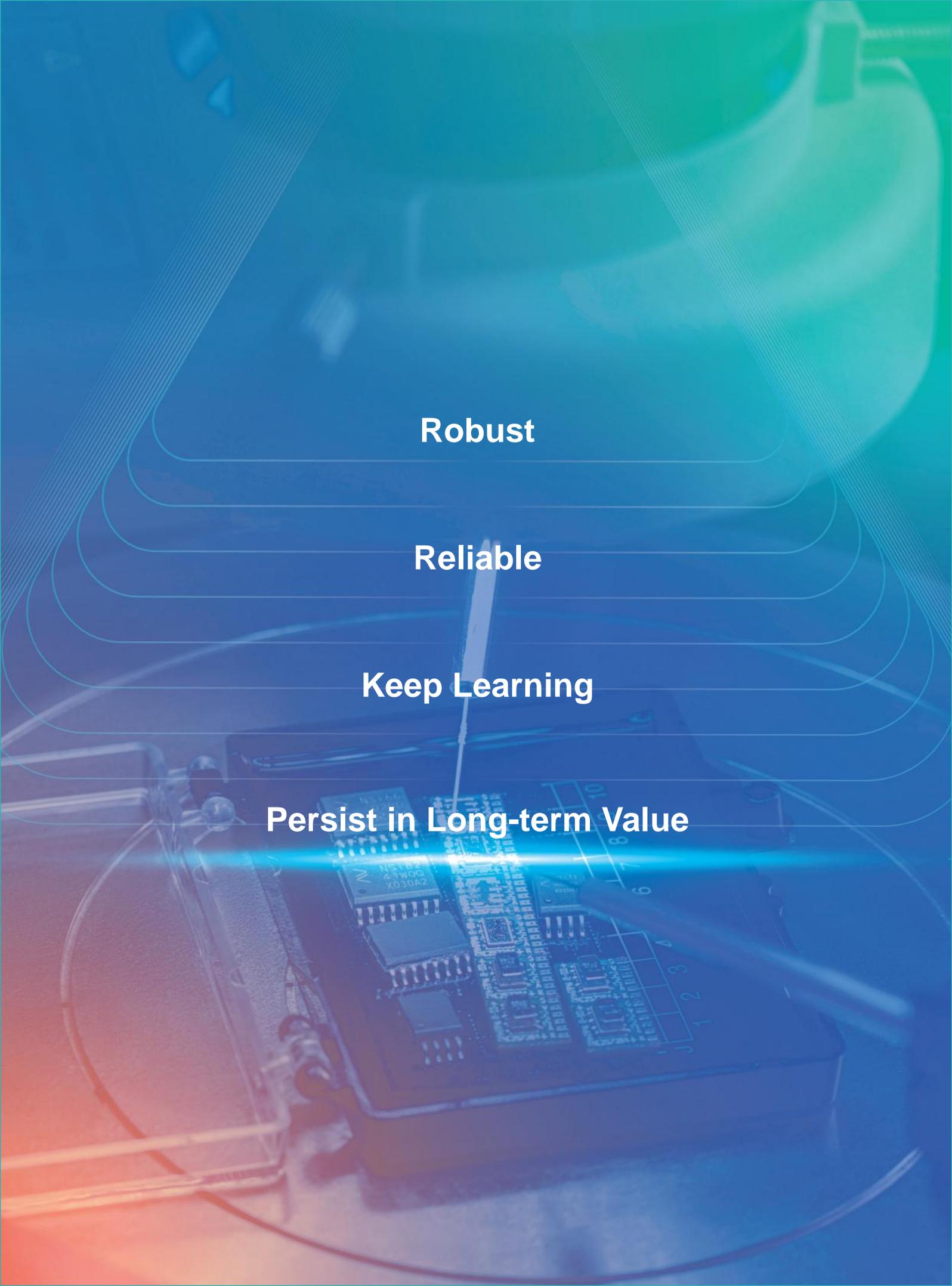


Adapter Power Supply

An adapter power supply is a portable power conversion device that converts AC utility power to low voltage DC for using in consumer electronics. It's usually required to be small, light, and high efficiency. That means the power consumption need be high level controlled.



NOVOSENSE Part Number	Product Description	Application
NSD1026V	High-speed, low-side, dual-channel non-isolated gate driver	MOS/IGBT/SiC non-isolated gate driver
NSD1624	High-voltage non-isolated half bridge gate driver	MOS/IGBT/SiC non-isolated gate driver
NSD2621	High voltage half-bridge GaN driver	GaN non-isolated gate driver
NSI3190	Isolated Feedback	Isolated Feedback

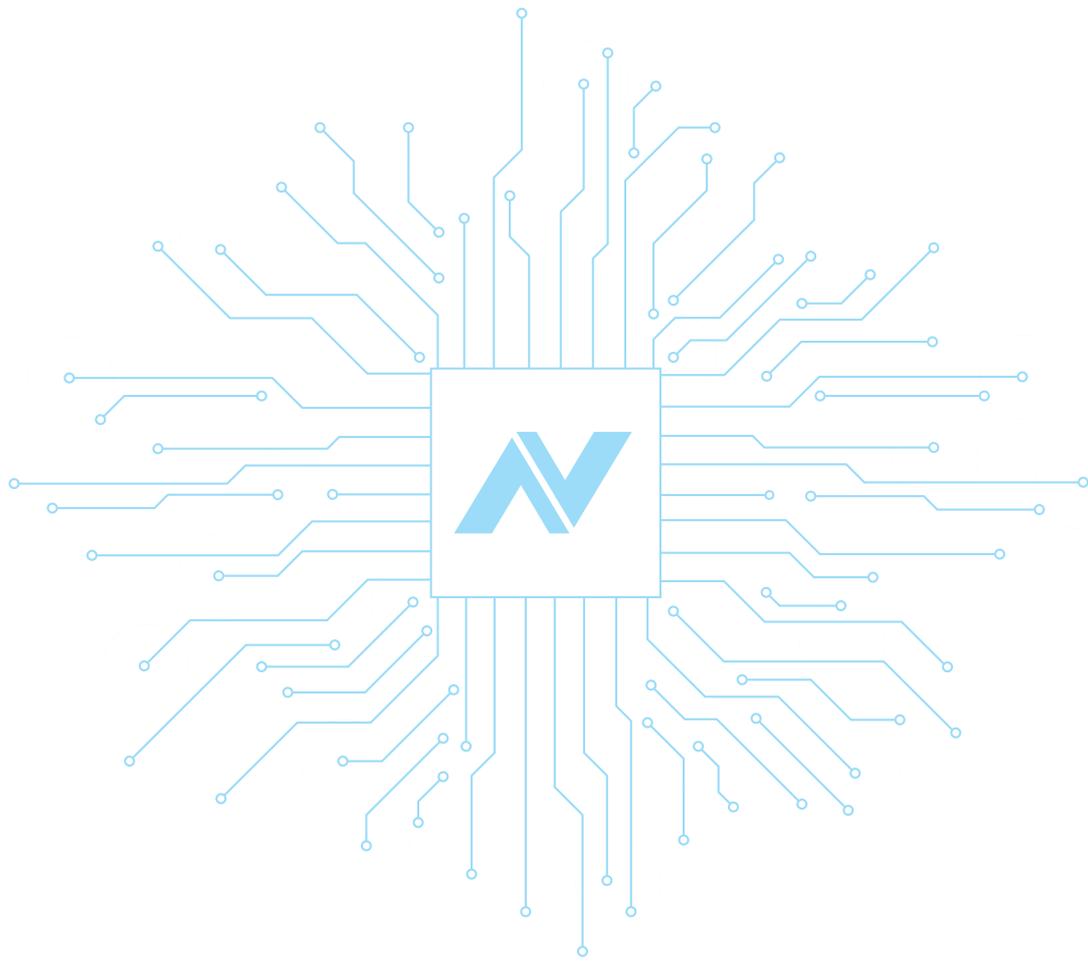
A person is shown from the side, focused on working on a complex electronic circuit board. They are using a soldering iron to connect components. The scene is lit with a cool blue and green light, creating a high-tech atmosphere. The background is slightly blurred, showing a desk with various tools and components. The overall image conveys a sense of precision, expertise, and dedication to technology.

Robust

Reliable

Keep Learning

Persist in Long-term Value



NOVOSENSE



NOVOSENSE
Company Brochure



NOVOSENSE
Product Selection Guide



NOVOSENSE
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NOVOSENSE
Renewable Energy &
Power Supply Application
Solution



NOVOSENSE
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