

The logo for RENAC, featuring the word "RENAC" in a bold, blue, sans-serif font. A small orange triangle is positioned above the letter "N".

RENAC

TECHNICAL SOLUTIONS

N1+H1+Smart Meter wiring diagram

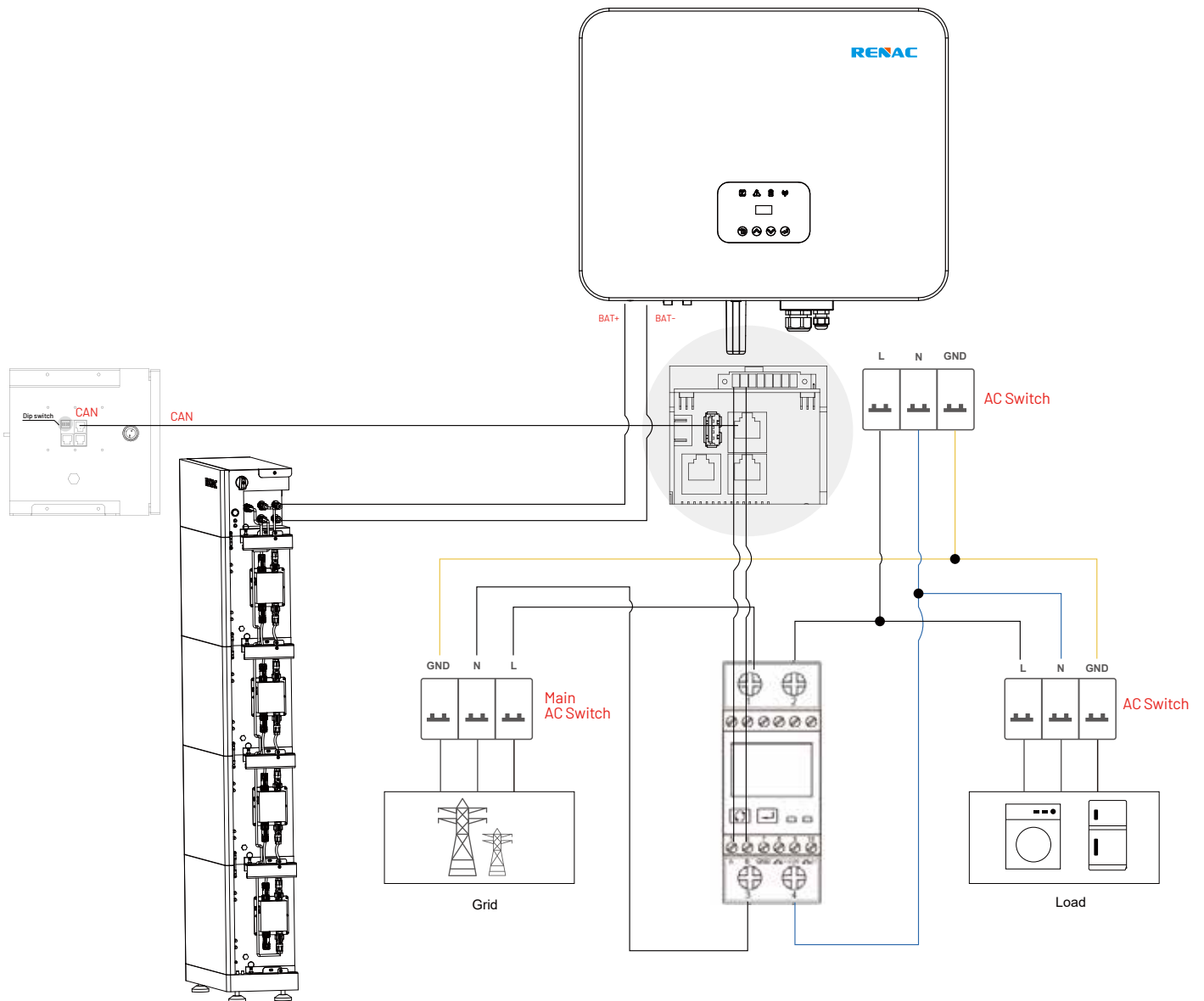
A stylized illustration of a city skyline with several skyscrapers of varying heights and window patterns, rendered in a light gray color. The illustration is positioned at the bottom of the page, partially overlapping a blue curved shape.

2023

Application Note No. 014

Rev	DCN#	Effective Date	Description
V01	AN014	2023-11-06	Initial Release

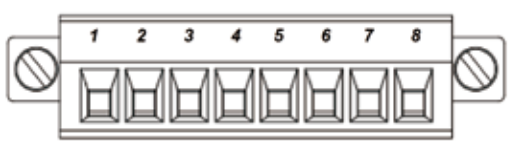
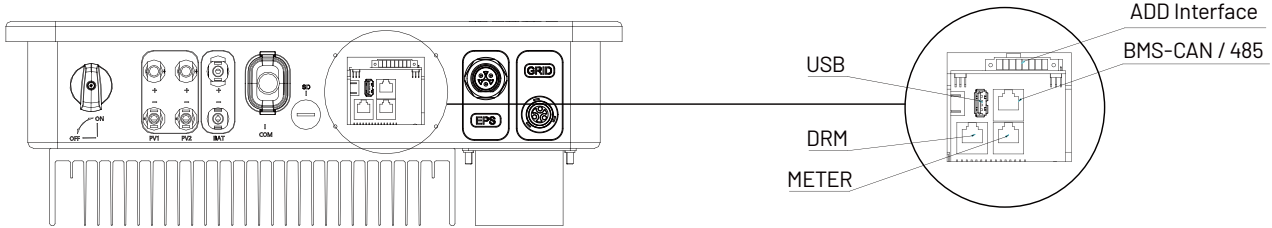
N1+H1+Smart Meter wiring diagram



⚠ DANGER
 Before connecting cables, ensure that all switches are OFF. Otherwise electric shocks may occur.

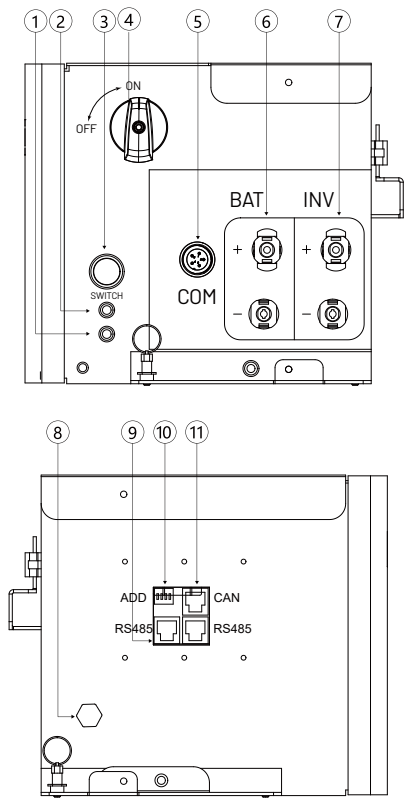
NOTICE
 Signal cables must be outdoor shielded twisted pair cables.

N1 HV Inverter terminals

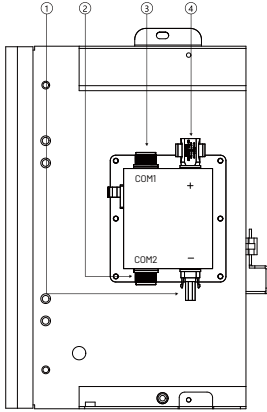


Pin	Function	Pin	Function
1	METER-485A	5	+5V
2	METER-485B	6	SHUTDOWN
3	GENA	7	Temp
4	GENB	8	GND

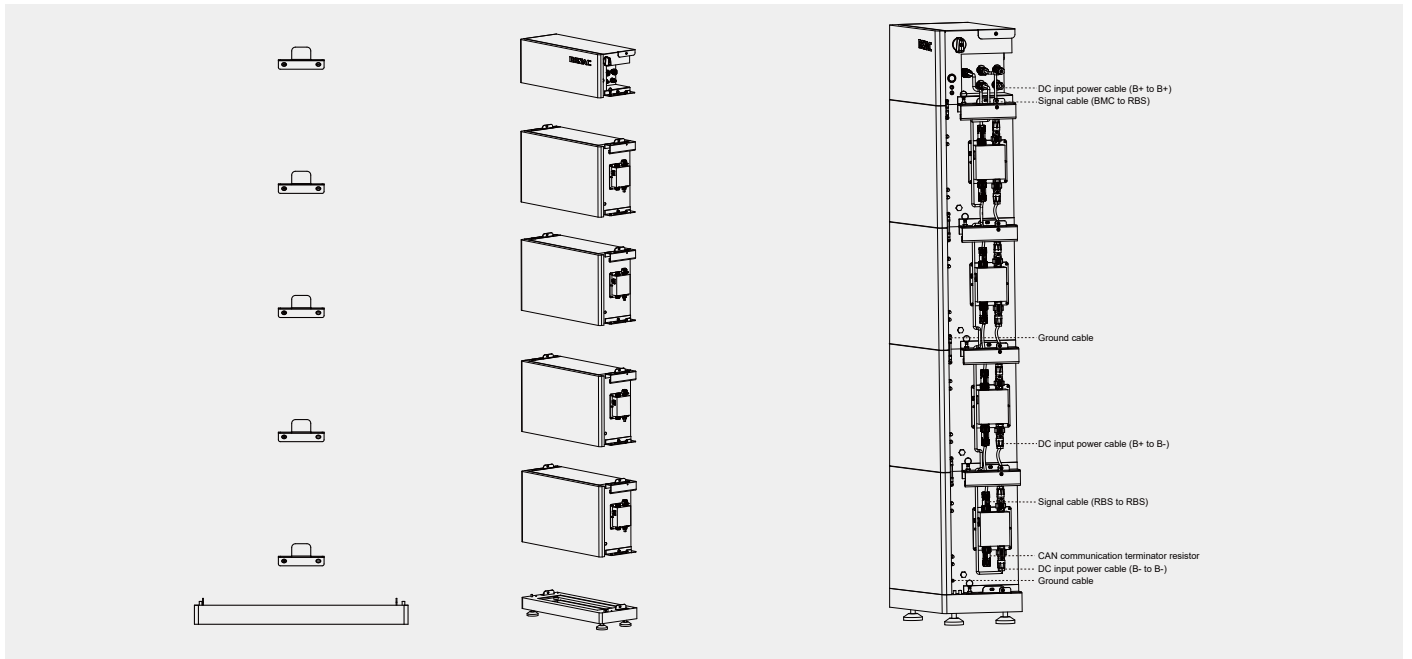
Turbo H1 terminals



Object	Description
1	Alarm LED
2	Running LED
3	Start button
4	DC isolator
5	Communication port
6	Battery terminals connect with B9639-S (BAT+/BAT-)
7	Battery terminals connect with hybrid inverter (BAT+/BAT-)
8	Waterproof valve
9	RS485 port
10	Parallel communication Add
11	CAN port



Pin	Description
5	BAT- connector
6	CAN communication connector
7	CAN communication connector
8	BAT+ connector



Dip switch description

- ADD switch is a 4-bit dial switch to manually distribute the communication address of battery clusters. 1-3 bit means the communication address of battery clusters, the status of 4th bit means if this BMC is the master or not. For the master, the communication address is largest and the fourth digit must be ON status.
- Please refer to the table below to set the ADD switch for parallel connection of different battery clusters.

	Master	Slave 1	Slave 2	Slave 3	Slave 4
1 battery cluster					
2 battery cluster					
3 battery cluster					
4 battery cluster					
5 battery cluster					