

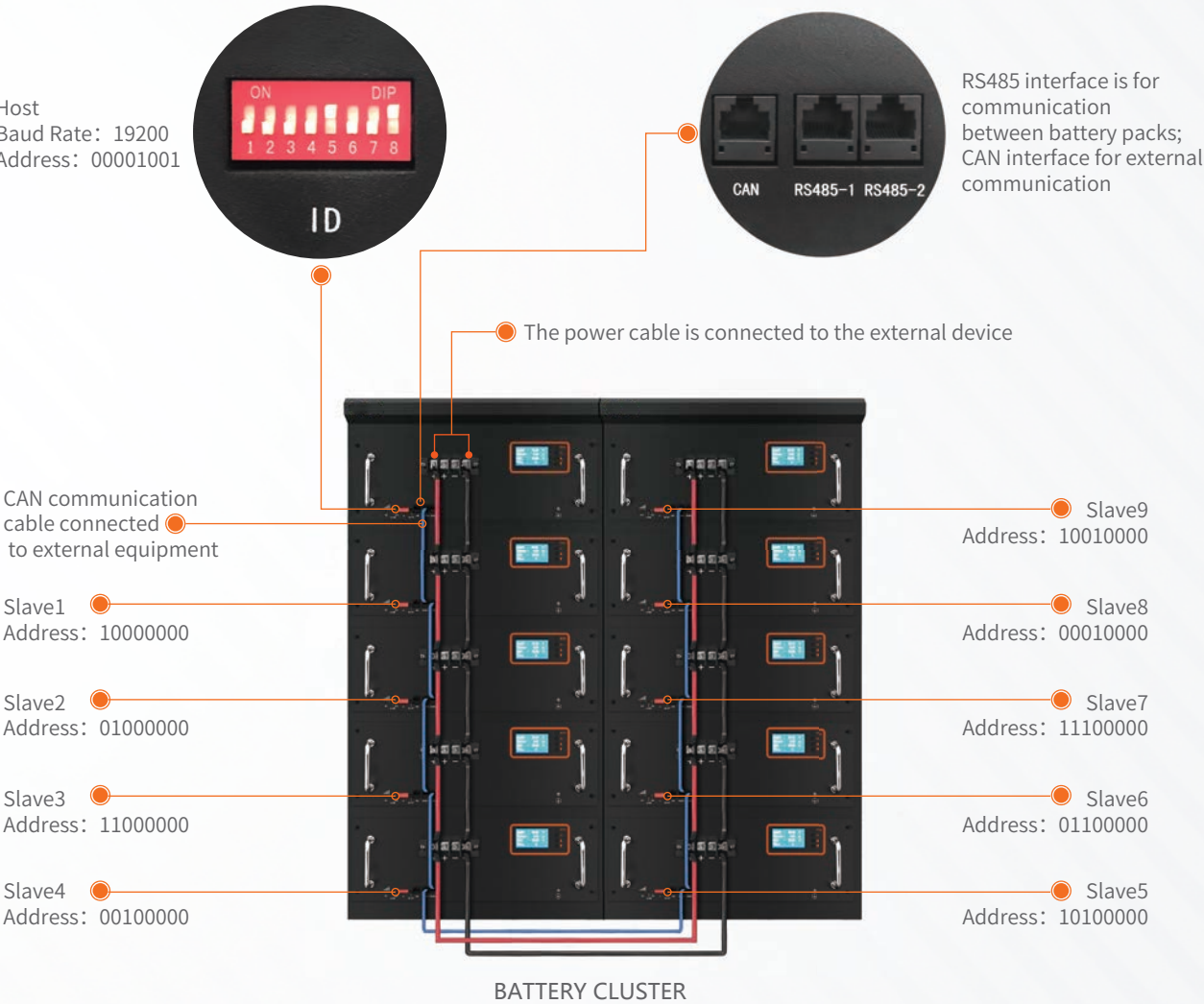
# LOW VOLTAGE LITHIUM BATTERY MODULE

low-voltage multi-parallel system

The above low-voltage series battery pack can be paralleled by dialing the address. The RS485 communication cable is connected to each battery pack, and the RS485 output interface can be connected to the host computer. The CAN interface is used for external communication, and can be connected in parallel at most 16 battery packs.



Battery packs



The above is the connection scheme of 10 battery packs in parallel, the system supports up to 16 parallel

# LOW VOLTAGE LITHIUM BATTERY MODULE

Household stacked lithium battery system

## Product introduction

The product is mainly composed of high-quality lithium iron phosphate battery and smart energy storage inverter. When the sunlight is sufficient during the day, the excess power generation of the rooftop photovoltaic system is stored in the energy storage system, and the energy of the energy storage system is released at night to supply power for household loads, so as to achieve self-sufficiency in household energy management and greatly improve the economical performance of the new energy system. At the same time, in the event of a sudden power outage/power failure of the power grid, the energy storage system can take over the electricity demand of the whole house in time. The capacity of a single battery is 5.32kWh, and the total capacity of the largest battery stack is 26.6kWh, providing a stable power supply for the family.



## Technical parameters

Model	GHV1-5.32	GHV1-10.64	GHV1-15.96	GHV1-21.28	GHV1-26.6
Battery module	BAT-5.32(32S1P102.4V52Ah)				
Module number	1	2	3	4	5
Rated power[kWh]	5.32	10.64	15.96	21.28	26.6
Module Size (W*D*Hmm)	625*420*450	625*420*625	625*420*800	625*420*975	625*420*1150
Weight[kg]	50.5	101	151.5	202	252.5
Rated volt[V]	102.4	204.8	307.2	409.6	512
Working volt[V]	89.6-116.8	179.2-233.6	268.8-350.4	358.4-467.2	358.4-584
Charging volt[V]	115.2	230.4	345.6	460.8	576
Standard charging current[A]	25				
Standard discharging current[A]	25				
Control module	PDU-HY1				
Working temperature	Charge:0-55°C;Discharge:-20-55°C				
Working ambient humidity	0-95% No condensation				
Cooling method	Natural heat dissipation				
Communication method	CAN/485/Dry-contact				
Bat volt range[V]	179.2-584				