



TELL WAY ENERGY GROUP LIMITED

HOUSING STORAGE POWER SYSTEM

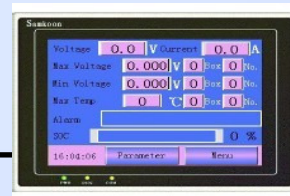
MINITYPE STORAGE CABINET CONFIGURATION



Switching case



Storage cabinet

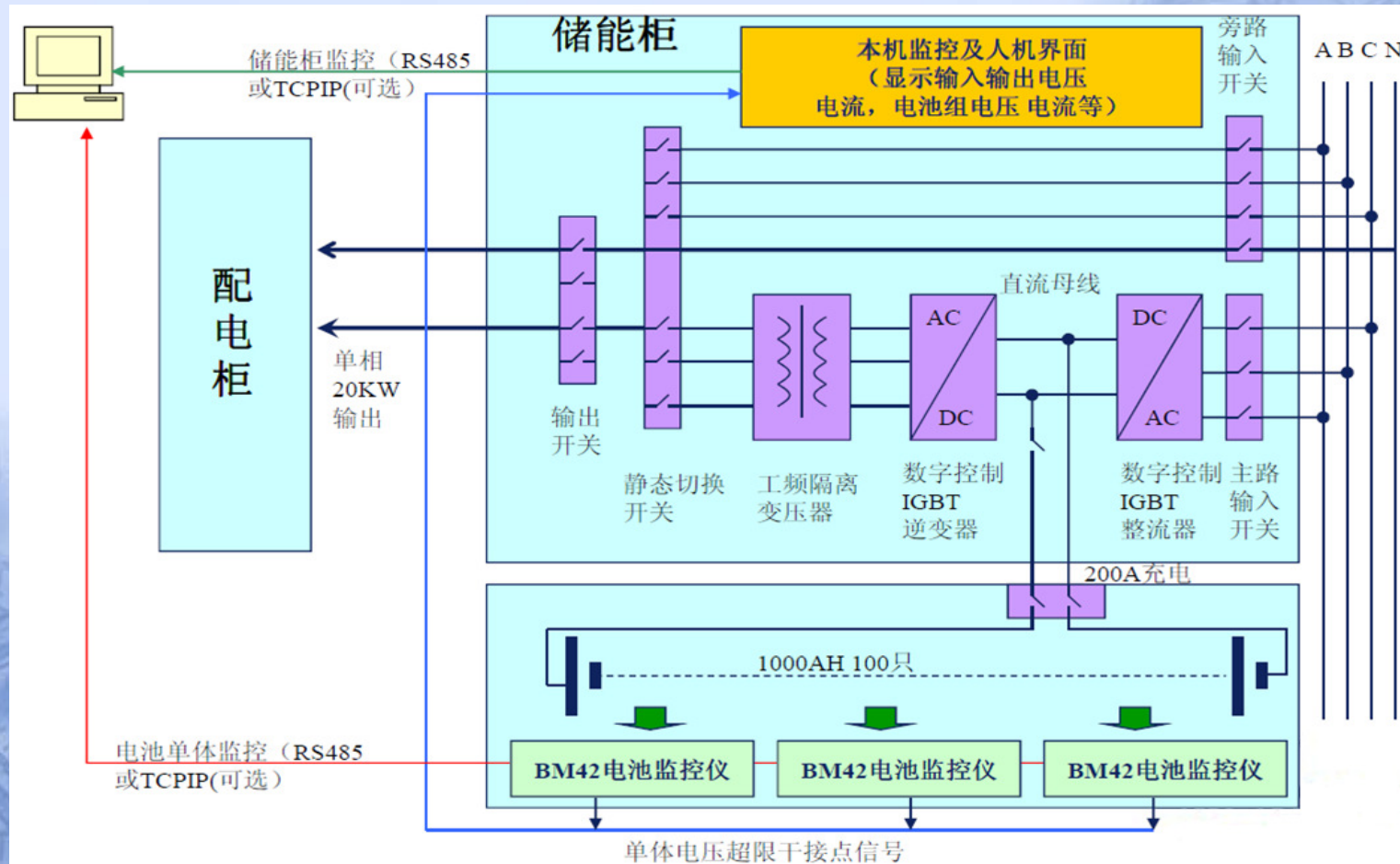


BMS



LiFePO4 pack

MINITYPE STORAGE CABINET SKETCH MAP



MINI TYPE STORAGE CABINET PRINCIPLE

- 1、Storage cabinet have digital control IGBT rectifier, and its input efficiency is more than 0.99, current wave is less than 3%. Three phase 380V AC will switch to DC to charge the battery pack through rectifier, max charging current will arrive at 200A.
- 2、Storage cabinet have digital control IGBT rectifier, which may make battery voltage invert to AC, and it will supply 20KW 220V AC output through static switch.
- 3、High efficiency, low cost, storage into battery pack in the night, and supply working in the day, like this, it will avoid high electric charges and save family(company) cost.
- 4、The output of storage cabinet can switch conveniently by hand or autocontrol. Meantime, it also repairs bypass, and convenient to switch city electricity input to output via repair switch of cabinet.
- 5、Storage cabinet is with LCD panel, easily get these information of input voltage, output voltage, output power, battery voltage, charging/discharging current etc.

MINI TYPE STORAGE CABINET PRINCIPLE

- 6、 Battery Management System(BMS) can manage 126 pcs single cells at most, and can set alarm function when one cell voltage is high/low.
- 7、 BMS can supply RS485 and SNMP, and can CCTV to every single cell via message cable.
- 8、 If BMS detects one cell's voltage beyond setting voltage(for example 4V), BMS will send alarm message to input interface. Once storage cabinet examines the alarm signal, it will reduce charging voltage until normal voltage range.
- 9、 Green, environmental friendly, energy saving. The kind of battery is phosphate lithium power battery, it never contains any heavy metal and far-between metal.
- 10、 Long cycle life: 300-500 cycles for Lead acid battery, but the kind of phosphate battery can reach 3000 cycles at least.