



گروه انرژی های تجدید پذیر نونا

NONA RENEABLE ENERGY GROUP

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# SMART STRING EMERGENCY STORAGE SYSTEM

## 5000 WH POWER TANK



### Flexible capacity

5 kWh per battery module. Scalable from 5 kWh to 20.7 kWh per group max. 4 groups with 82.8 kWh for an Inverter.



### Anti-theft function

The anti-theft function can be opened directly without a password, and the administrator password is required to close it.



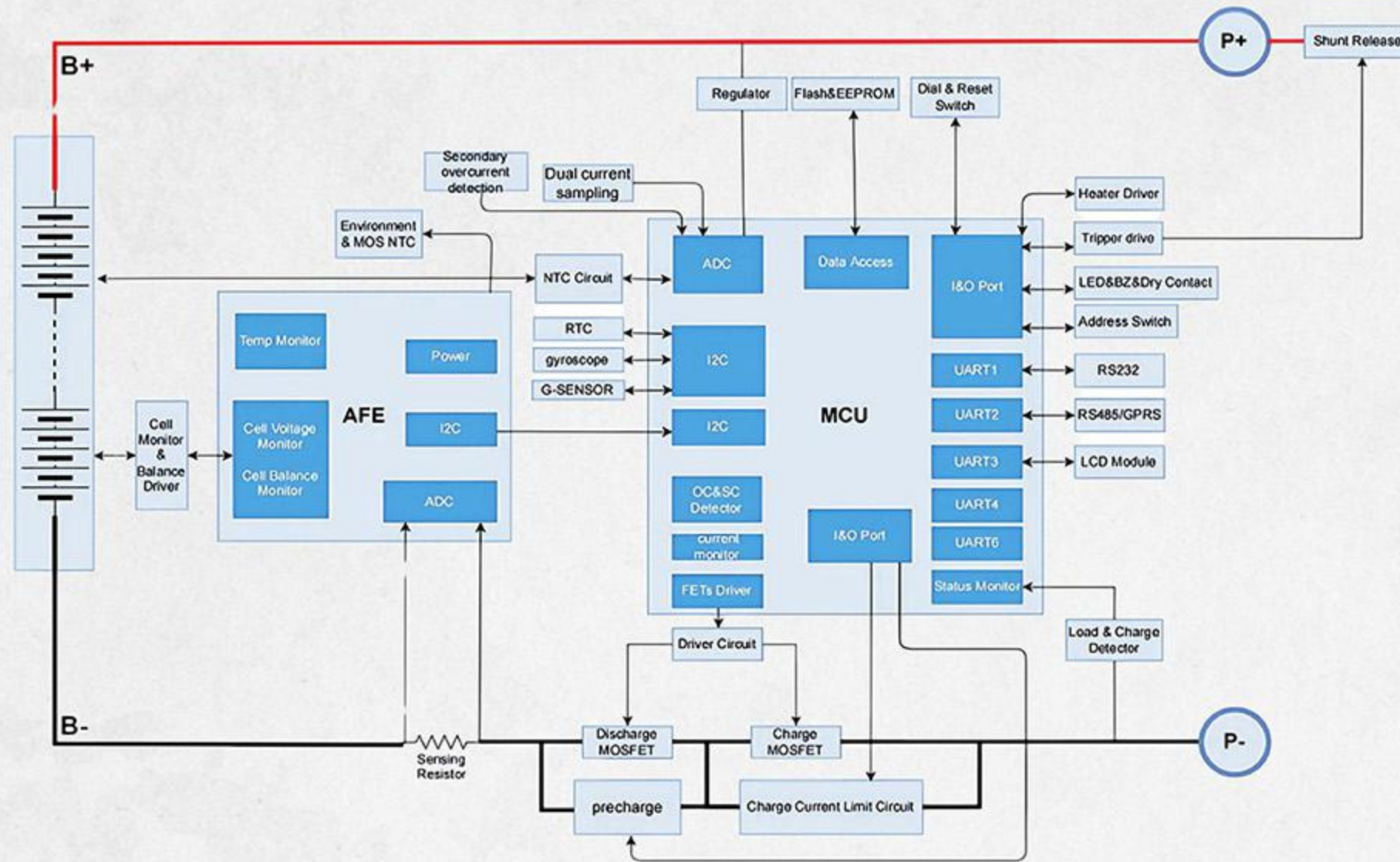
### 5-layer safety protection

Call-level, Electrical-level, Structural-level, Active protection, Emergency protection



# 100Ah Battery Pack Spec

## Technical Specification & Block diagram



Basic Information		Protection			
Model Name	24374CT48V100Ah	Over Charge Protection			
Cell Technology	Rechargeable LiFePO4 battery pack	Over Discharge Protection			
Cell Type	3.2v, 100Ah	Over Current Protection			
Cell Configuration	1P15S	Over Temperature Protection			
Switch	125A DC switch	Short Protection			
Dimension		Overcharge Protection			
Dimension	500l * 482w * 133.5h	Single Overcharge Protection	Alarm voltage	3600mV	Settable
<b>Features</b>			Protection voltage	3650mV	Settable
Balance function +485 +232+LCD+ gyroscope anti-theft + DC switch			Protection delay	1.0S	Settable
<b>Electrical Information</b>			Voltage of protection released	3350mV	Settable
			Capacity Release	SOC < 96%	Settable
Nominal Voltage	48 v	Individual over-discharge protection	Discharge release	Discharge current > 1A	
Capacity	100 Ah		Alarm voltage	2750mV	Settable
Outgoing Electricity	30%		Protection voltage	2500mV	Settable
Energy	4800 Wh		Protection delay	1.0S	Settable
Charging Method	CC-CV		Voltage of protection released	2870mV	Settable
Charging Voltage	54.75V±0.025V	Total voltage overcharge	Charge release	Be Active when connected to charger	
Over Charging Protect	3.65±0.025V		Alarm voltage	54V	Settable
Standard Charging Current	20A (0.2C)		Protection voltage	54.75V	Settable
Max. Charging Current	20A		Protection delay	1.0S	Settable
Cut-off Charging Current	2A (0.02C)		Voltage of protection released	50.25V	Settable
Standard Discharging Current	20A (0.2C)	Capacity Release	SOC < 96%	Settable	
Max. Discharging Current	100A	Discharge release	Discharge current > 1A		