

E-mobility Battery



PHYSICAL SPECIFICATIONS

Model	Voltage (V)	Capacity(Ah)		Dimension (mm)		
		Minimum	Typical	Length	Width	Height
ZP17014	48	30.8	31.9	535	160	98
ZP18031	72	19.2	20.0	220	220	180
ZP18032	72	28.8	30.0	300	220	180
ZP18033	72	38.4	40.0	240	200	340
ZP18034	72	48.0	50.0	270	230	367
ZP18035	72	57.6	60.0	270	230	367

ELECTRICAL SPECIFICATIONS

Items		ZP17014	ZP18031
Charge	Charge voltage	54.6±0.1V	84.0±1.0V
	Charge current	10A	4A
	Max charge current	15A	10A
Discharge	Continuously discharge current	50A	50A
	Peak discharge current	75A (5S)	60A 1min
Temperature	Charge temperature	0℃~+45℃	0℃~+45℃
	Discharge temperature	-20℃~+60℃	-20℃~+60℃
	Storage temperature	-10℃~40℃	-20℃~45℃
Communication	CanBus		
SOC Gauge	LED Indicator		
BMS Protection	Over charge/over discharge, over/under temperature, under voltage, short circuit		



Feature:

High quality lithium cell

- Fully automatic production line
- Good consistency of cell performance
- Long cycle life : more than 1000 cycles

Flexible BMS Hardware

- Available for 4S~16S system
- Full protection for charging/discharging/temperature/Short circuit
- Secondary security protection system

CERTIFICATIONS

- UL 1642 (cells) UN38.3
- IEC 62133 RoHs Compliant

Safest structure design

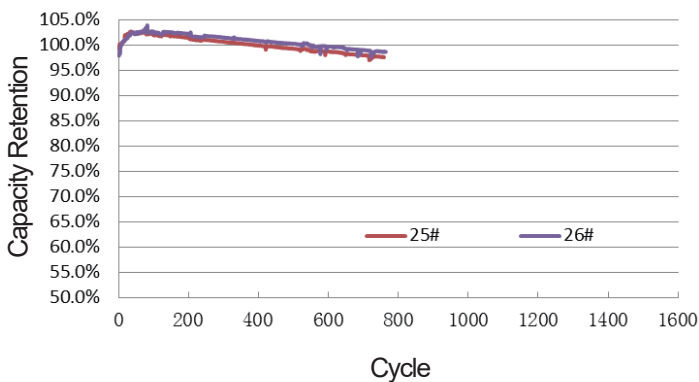
- UL94V-0 materials
- IP65~IP67
- Physical layout to avoid thermal runaway
- Screw locked internal wire connection

Intelligent BMS Firmware

- Advanced CANbus communication protocol
- Smart cell balance system
- Accurate SOC calculation
- Promptly updating system
- Black box for data storage
- Lowest power consumption with sleep mode and ship mode

Weight (kgs)	Case	Color
9.8	ABS/Aluminium	Black/Silvery
12.3	Iron	Black
17.2	Iron	Black
22.6	Iron	Black
27.8	Iron	Black
31.7	Iron	Black

0.75C / 0.75C cycle curve @ 25°C
(2.5-3.5V)



ZP18032	ZP18033	ZP18034	ZP18035
84.0±1.0V	84.0±1.0V	84.0±1.0V	84.0±1.0V
6A	85A	10A	12A
15A	20A	25A	30A
60A	80A	100A	100A
80A 1mins	100A 1mins	120A 1mins	120A 1mins
0°C~+45°C	0°C~+45°C	0°C~+45°C	0°C~+45°C
-20°C~+60°C	-20°C~+60°C	-20°C~+60°C	-20°C~+60°C
-20°C~45°C	-20°C~45°C	-20°C~45°C	-20°C~45°C

Over charge/over discharge, over/under temperature, under voltage, short circuit