

A. POWER PACK Technical Data

1. Input and Output Value

Pos.	Characteristic	Value
1.1	Input voltage	DC24V-35V
1.2	Input Current	DC0.6A-3A
1.3	Output Voltage @load 3A	16.6V~29V
1.4	Output current	3.0A
1.5	Standard Nominal Voltage	25.2V
1.6	Standard Nominal Capacity @load 0.45A	1800mAH

2. Charging Characteristic

Pos.	Characteristic	Value
2.1	Full of Charge output Voltage @ 5mA	27.8V-29V
2.2	Charging Time	8hours

3. Discharge Data

Pos.	Characteristic	Value
3.1	Max output current (continuous work)	0-3A
3.2	Cut off time @5A @25°C Power pack must be stored 24h @ 25°C before test	2-8min
3.3	Max output peak current	$20A > I_{peak} > 14A$
3.4	Holding time (@14A, 25°C)	>500ms
3.5	Alarm Start Voltage @ load 3A	$\leq 23V$
3.6	Cut off Voltage @ load 3A	16.60V-21.0V
3.7	Charging & discharging cycle	300times

4. Protection Measure


Pos.	Protection	Characteristic
4.1	Over Current	14A-20A
4.2	Over Discharge Voltage@ load 3A	16.6V-21.0V

5. Environment

Pos.	Characteristic	Specification
5.1	Working temperature	0-40°C
5.2	Working humidity	20% ~ 85%
5.3	Storage temperature	0-55°C
5.4	Storage humidity	20% ~ 85%

6. Label

POWER PACK 1800
85592

 Lithium-ion Rechargeable Battery
 Model No.: ZB-B1800
 Capacity: 1800mAh
 Rate: 25.2V
 Energy: 45Wh
 Input: 30V  3A
 Output: 25.2V  max. 5A
 Prod.Date: WW/YY
 Serial-No.: M123456 XXXX





 MH49149

 Li-Ion


Warning
 Risk of fire, explosion, and burns. Do not disassemble, crush, heat above 55°C (131°F), or incinerate. Maximal charging voltage 30V DC

IP20
Charge the battery pack every 3 months, otherwise the battery may be damaged
A Phoenix Mecano Brand

For Patents contact www.dewertokin.de/patents
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8. SAFETY(安全)&Certification(证书)

Battery Pack is certified under following international standards:

电池包通过以下国际标准。

Type(类别)	Certified(证书)	Standard(标准)
UL	Meet	UL 2054
UL	Meet	UL/CSA 60950-1
EMC	Meet	EN55014-1:2006+A1:2009+A2:2011 EN55014-2:2015 EN61000-3-2:2014 EN61000-3-3:2013
TUV Mark	Meet	EN62133:2013
CB	Meet	IEC 62133:2012
SAA	Meet	IEC 62133 Ed.2
Safe Transport Certification	Meet	UN38.3

B. User Instruction and Attentions

Power Pack is a portable power supply, and consists of 7pcs standard 3.6V (18650) rechargeable Li-batteries to control PCB. Power Pack contains over charge, over discharge, over current and short circuit protection.