



**BOSCH**

**PRO**

**GTP18V-28**

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[www.bosch-pt.com](http://www.bosch-pt.com)

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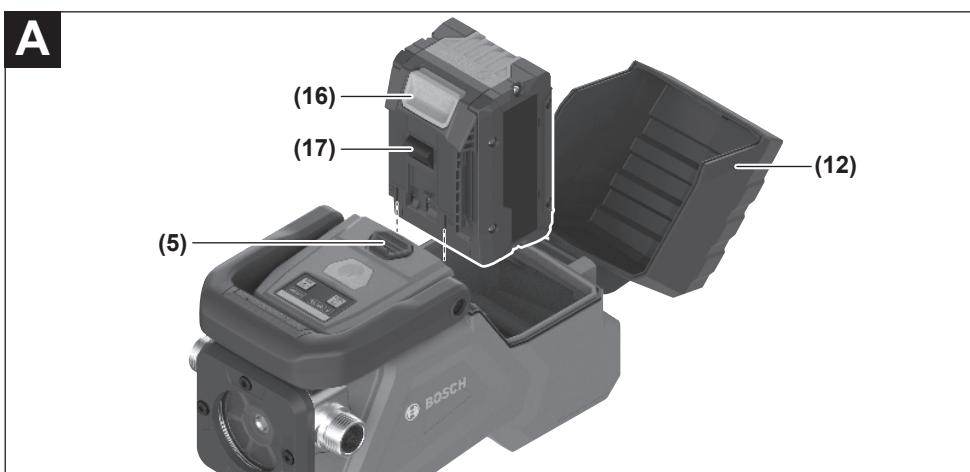
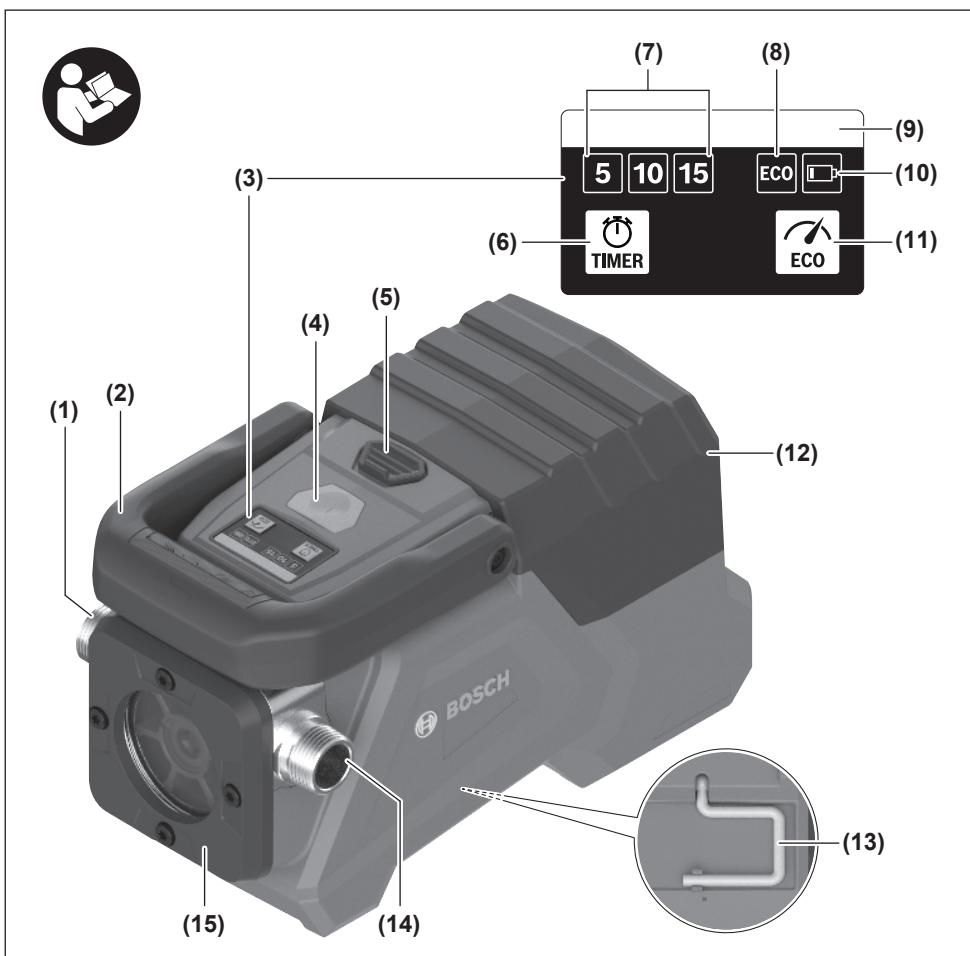
**zh 正本使用说明书**

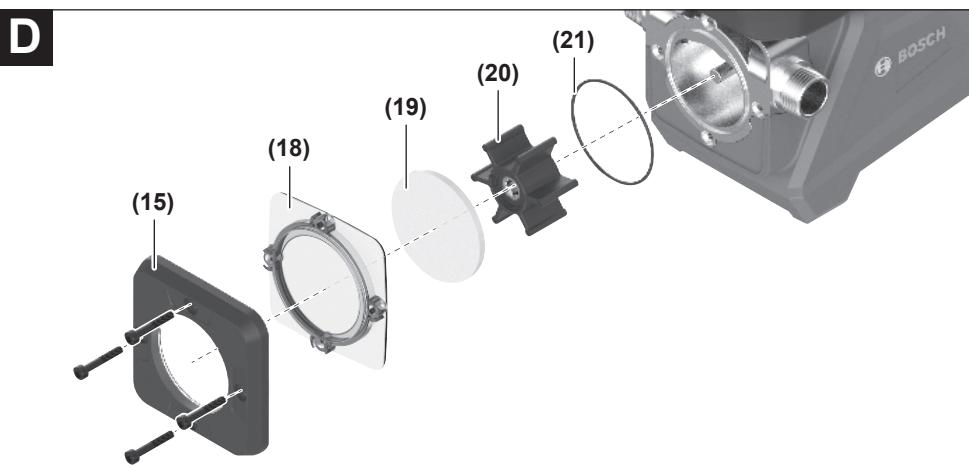
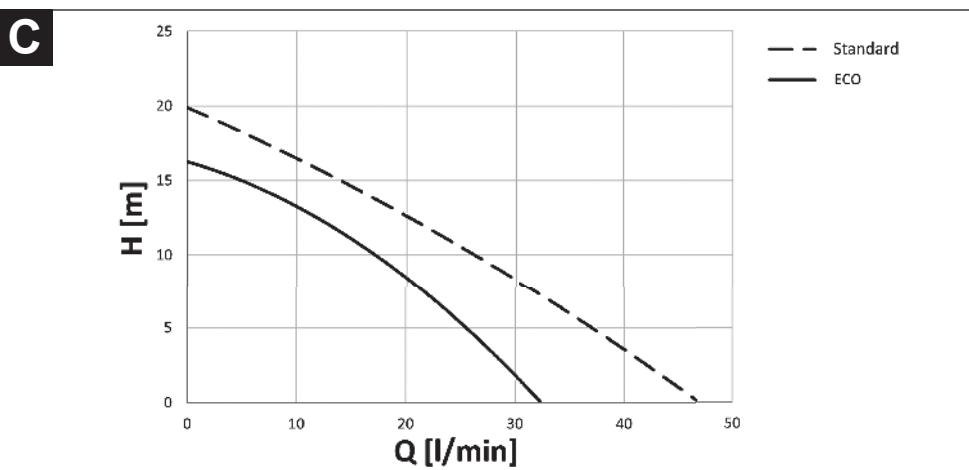
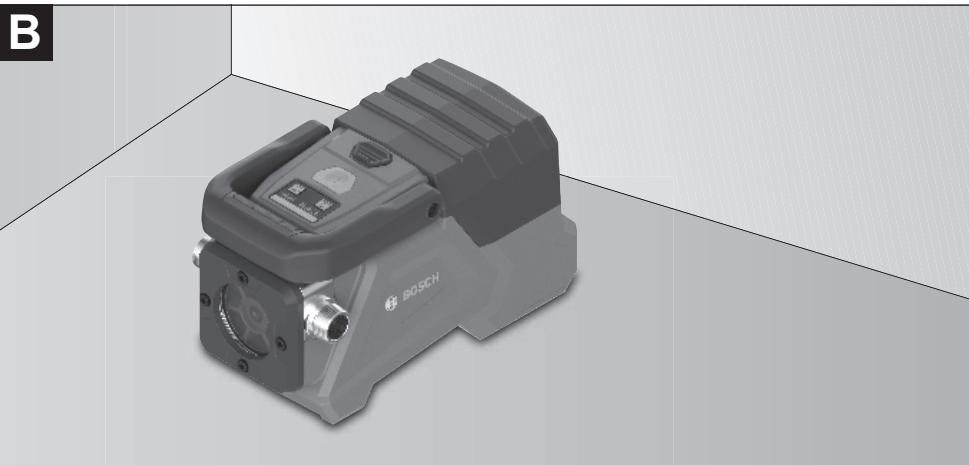


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# 中文

## 安全规章



请阅读所有的安全规章和指示。不遵照以下警告和说明会导致电击、着火和 / 或严重伤害。

应将所有安全规章和指示保存到将来。

- ▶ 请监督好儿童。确保儿童不会使用本泵玩耍。
- ▶ 儿童不得在无人监督的情况下清洁和保养本泵或充电器。
- ▶ 对于8岁以上的儿童和身体、感官或精神上有缺陷或缺乏经验与知识的人员，倘若其得到负责其安全的人员监护或接受过监护人有关泵使用的指导并已了解到可能的危险，则可以使用本泵。否则会有误操作和人身伤害的危险。
- ▶ 不要让不熟悉泵或对这些指示说明不了解的人操作泵。
- ▶ 确保在运行泵期间蓄电池盒盖保持关闭状态。进入的湿气可能导致短路。
- ▶ 切勿用泵抽吸可燃或爆炸性液体，比如汽油、机油、酒精、溶剂。切勿在易爆环境中使用泵。液体可能会自燃或爆炸。
- ▶ 切勿用泵抽吸食物，例如饮用水。润滑剂可能会污染液体。
- ▶ 切勿用泵抽吸人员所在区域内的液体。如果区域内有动物或异物，请使用过滤器。由此可避免人员或动物受伤。
- ▶ 安装或保养泵前，请取出充电电池。由此可避免泵的意外启动。

泵的外壳可能在抽吸高温液体或因意外干运行而剧烈升温。您可能会受伤。



- ▶ 仅在密闭空间内使用本泵，并使其远离潮湿。
- ▶ 切勿改装并打开充电电池。可能造成短路。
- ▶ 如果充电电池损坏或者未按照规定使用，充电电池中会散发出有毒蒸汽。充电电池可能会燃烧或爆炸。工作场所必须保持空气流通，如果身体有任何不适必须马上就医。蒸汽会刺激呼吸道。
- ▶ 如果充电电池使用不当或者损坏，可能会有易燃的电解液从充电电池中流出。避免与之接触。如果意外碰到，用水冲洗。如果电解液碰到眼睛，还要寻求医疗帮助。从充电电池流出的液体会刺激或灼伤皮肤。
- ▶ 钉子、螺丝刀等尖锐物品或外力作用可能会损坏充电电池。有可能出现内部短路、蓄电池燃烧、发出烟雾、爆炸或过热。
- ▶ 当电池盒不用时，将它远离其他金属物体，例如回形针、硬币、钥匙、钉子、螺钉或其他小金属物体，以防一端与另一端连接。电池端部短路会引起燃烧或火灾。
- ▶ 只能将此充电电池用在制造商的产品中。这样才能确保充电电池不会过载。

▶ 请只用制造商推荐的充电器充电。不可以使用针对某些特定蓄电池的充电器，为其它的蓄电池充电，可能引起火灾。



保护充电电池免受高温（例如长期阳光照射）、火焰、脏污、水和湿气的侵害。有爆炸和短路的危险。

## 产品和性能说明

请注意本使用说明书开头部分的图示。

### 按照规定使用

本泵只能用于输送干净的水。它是一款干式自吸泵。

本泵不适用于输送含磨蚀性和腐蚀性成分的液体、盐水、碱液和废水。其不得用于食物以及水生生物的水域。

### 插图上的机件

图示组件的编号与泵详解图上的编号一致。

- (1) 出水口（压力侧）
- (2) 提手
- (3) 用户界面
- (4) 电源开关
- (5) 电池盖解锁按钮
- (6) 计时器按键（用户界面）
- (7) 计时器指示灯（用户界面）
- (8) Eco模式指示灯（用户界面）
- (9) 状态栏（用户界面）
- (10) 充电电池电量低指示灯（用户界面）
- (11) Eco模式按键（用户界面）
- (12) 电池盖
- (13) 挂钩
- (14) 进水口（抽吸侧）
- (15) 泵壳盖
- (16) 充电电池的解锁按钮<sup>a)</sup>
- (17) 充电电池<sup>a)</sup>
- (18) 中间盖板
- (19) 观察窗
- (20) 叶轮
- (21) 泵壳密封环

a) 该附件并不包含在基本的供货范围内。

### 技术参数

输送泵	GTP18V-28	
物品代码	3 601 JR6 0..	
额定电压	伏特 <sup>a)</sup>	18
输送能力 <sup>a)</sup>		

输送泵	GTP18V-28	
- 标准模式	升/小时	2800
- Eco模式	升/小时	1800
输送高度 (标准模式)	米	20
抽吸高度 (标准模式)	米	5
最大水温	摄氏度	60
软管接头螺纹	"	G 3/4
重量 <sup>B)</sup>	公斤	2.2
防护类型 <sup>C)</sup>	IP54	
充电时建议的环境温度	摄氏度	0至+35
工作时和存放时允许的环境温度	摄氏度	0至+50
兼容的充电电池	GBA18V... GBA 18V... ProCORE18V... EXPERT18V... EXBA18V... CORE18V...	
推荐的充电器	GAL18... GAL 18... GAL 36... GAL12V/18... GAL 12V/18... GAX 18... EXAL18...	

A) 在20–25 °C下测量

B) 不含充电电池 (充电电池重量请查看 [www.bosch-professional.com](http://www.bosch-professional.com))

C) 在电池盖(12)关闭且用户界面(3)朝上状态下安装 (如图B所示)

数值可能因不同产品而异，并且受到应用和环境条件影响。更多信息请参见[www.bosch-professional.com/wac](http://www.bosch-professional.com/wac)。

## 充电电池

**Bosch**也销售不带充电电池的充电式泵。您可以在包装上查看泵的供货范围内是否包含充电电池。

### 为充电电池充电

► **请只使用在技术参数中列出的充电器。**只有这些充电器才适用于本泵上使用的锂离子电池。

**提示:** 鉴于国际运输规定, 锂离子充电电池在交货时只完成部分充电。首度使用电动工具之前, 必须先充足充电电池的电以确保充电电池的功率。

### 装入和取出充电电池 (参见插图A)

将解锁按钮(5)推离电池盒, 然后打开电池盖(12)。

将充好电的充电电池推入电池座, 直到嵌入。

如需取下充电电池, 则请按压解锁按钮, 然后拔出充电电池。在此过程中请勿过度用力。

关闭电池盖(12), 直至听到其卡止。

► **确保电池盖已完全关闭且电池盖的密封性完好无损。**湿气进入可能损坏充电电池和泵。

## 充电电池电量指示灯

装入充电电池后, 可从用户界面(3)上识别充电电池电量(参见“状态指示灯”, 页 7), 取出充电电池后, 可从充电电池本身的充电电池电量指示灯上识别电量。

### 充电电池上的充电电池电量指示灯

如果充电电池已从泵中取出, 则可以通过充电电池上的电量指示灯的绿色LED灯显示电量。

按压充电电量指示灯按键 $\textcircled{a}$ 或 $\textcircled{b}$ , 来显示充电电量。

如果按压充电电量指示灯按键后没有LED灯亮起, 则说明充电电池损坏, 必须进行更换。

**提示:** 并非每种充电电池型号均具备电量指示灯。

### 充电电池型号 GBA 18V... | GBA18V...



LED	电量
3个绿灯长亮	60–100 %
2个绿灯长亮	30–60 %
1个绿灯长亮	5–30 %
1个绿灯闪烁	0–5 %

### 充电电池类型 ProCORE18V... | EXPERT18V... | EXBA18V... | CORE18V...



LED	电量
5个绿灯长亮	80–100 %
4个绿灯长亮	60–80 %
3个绿灯长亮	40–60 %
2个绿灯长亮	20–40 %
1个绿灯长亮	5–20 %
1个绿灯闪烁	0–5 %

### 充电电池损坏风险识别

#### EXPERT18V... | EXBA18V...

充电电池电量指示灯的LED除了可以显示充电电池电量之外, 还可以显示充电电池损坏的风险。

如需激活该功能, 按住电量指示灯 $\textcircled{b}$ 按钮3秒钟。充电电池的分析通过充电电池电量指示灯顺序发光来显示。结果以充电电池电量指示灯显示。



**1个LED:** 充电电池的损坏风险较高。功率和运行时间可能已经降低。建议更换充电电池。



**5个LED:** 充电电池处于良好状态, 损坏风险较低。

**请注意:** 充电电池损坏风险评估功能分两档运行, 提供简单的状态评价。充电电池要么被评价为状态良好, 要么就是具有较高的损坏风险。不显示电池状态的百分比。

## 如何正确地使用充电电池

保护充电电池，避免湿气和水分渗入。

充电电池必须储存在-20 °C至50 °C的环境中。夏天不得将充电电池搁置在汽车中。

不定时地使用柔软，清洁而且乾燥的毛刷清洁充电电池的通气孔。

充电后如果充电电池的使用时间明显缩短，代表充电电池已经损坏，必须更换新的充电电池。

请注意有关作废处理的规定。

## 安装

► 在保养或清洁泵、调整设备、更换配件或收起泵前请取出充电电池。这种防护性措施将减少泵意外起动的危险。

### 连接软管

**提示：**水流经泵壳的方向可从壳体和提手(2)上的箭头识别。

本泵需要两根市售软管，螺母为G 3/4"，最小直径为19毫米。

针对抽吸侧（进水口(14)上的软管接头）需要加固软管，以便确保泵工作正常。为获得最佳的泵性能，该软管应尽可能短。

**提示：**务必将扁平密封件置于泵软管接头和软管之间。泵上的螺纹不是自封式的，如果没有扁平密封件，水可能因高压而溢出。

只能使用直径匹配的密封件，以免降低输送量。

分别在进水口(14)软管接头和出水口(1)软管接头手动拧上一根软管。

如果软管很难拧上，然后检查软管是否有匹配的接头螺纹，软管是否笔直拧上。不匹配的软管和倾斜的拧入方式可能导致泵上的螺纹损坏。

为确保泵能以满输送功率工作，不得缩小软管的直径。因此不要装入较薄的软管以及快速接头。确保软管不被弯折或不被挤压。

### 状态指示灯

状态栏(9)	充电电池电量低指示灯(10)	含义
绿色	-	泵已开启，充电电池容量> 20 %
橙色	橙色	充电电池电量低 (1-20 %容量)
橙色	-	充电电池或泵过热
红色	红色	充电电池耗尽 (0-1 %容量)，泵将在不久后关闭
红色	-	充电电池或泵过热：叶轮卡住；电机或充电电池损坏

### 自动关机（计时器）

借助计时器功能可以自动关闭泵。

反复按压计时器按键(6)，直至计时器指示灯(7)中亮起所需的剩余运行时间（分钟）。如果启动抽吸过程，则计时器指示灯(7)闪烁并显示剩余运行时间。

如需提前退出计时器功能，反复按压计时器按键(6)，直至计时器指示灯(7)中没有字段亮起。

## 运行

- 避免泵遭受霜冻。
- 切勿让泵干运转。可能损坏泵。

### 投入使用

#### 安装/挂起泵（参见插图B-C）

用户界面(3)朝上安装（如图B所示）可防止溅水进入泵（IP54）。

您也可以按需用挂钩(13)挂起泵，但无法保证上述保护效果。

定位泵时，确保泵、进水口和出水软管的最高点之间的高度差尽可能小。高度差H越大，可用的输送量Q越小（参见图C中的特性曲线）。

### 接通/关闭

确保抽吸软管的开口在水中不被占用：如果软管吸在水箱的底部或边缘上，则进水口阻塞。

按压电源开关(4)，以便开启泵并启动泵抽过程。

重新按压电源开关(4)，以便结束泵抽过程并关闭泵。

**提示：**输送热水后，在再次开启泵前，让其至少冷却10分钟。

### 用户界面

用户界面(3)用于：

- 泵的状态显示
- 控制计时器功能
- 开启/关闭Eco模式

泵关闭后通过按压计时器按键(6)或Eco模式按键(11)，可以激活用户界面(3)。由此不启动抽吸过程。您现在可以在用户界面上更改设置。

在最后一次按压按键30秒后，或关闭泵后，用户界面(3)被关闭，设置（例如Eco模式）被保存。

在最后一次按压按键5分钟后，或关闭泵后，所保存的设置被删除。取出充电电池后所有设置立即删除。

### Eco模式

您可以降低泵的功率和输送量，以便延长充电电池运行时间。为此按压Eco模式按键(11)，直至Eco模式指示灯(8)亮起。

如需退出Eco模式，重新按压Eco模式按键(11)，直至Eco模式指示灯(8)熄灭。

## 故障排除

原因	处理措施
<b>泵无法开启或自动关闭（红色状态栏）。</b>	
充电电池耗尽或损坏	为充电电池充电或将其更换。
泵或充电电池过热。	再次开启泵前，让泵和充电电池冷却。
	检查泵是否过载：出水口(1)上的软管必须畅通无阻，抽吸和输送高度不得过高。
叶轮卡住。	按需清洁叶轮(20)和泵壳。更换损坏的叶轮。
电机损坏。	委托Bosch客户服务中心检查泵。
<b>所输送的水量过少。</b>	
其中一根软管堵塞或损坏。	检查两根软管是否完好无损且畅通无阻。清除堵塞物或更换损坏的软管。
抽吸高度或输送高度过高。	安装泵时，确保泵、进水口和出水软管的最高点之间的高度差尽可能小。
软管不合适（例如直径过小，软管结构不稳定）。	使用稳定的软管，直径至少为19毫米。
软管接头不密封。	只能使用螺纹为G 3/4"的软管。 确保在软管和泵软管接头之间装入了完好无损且匹配的扁平密封件，软管已正确拧上。
叶轮磨损。	更换叶轮(20)和密封环(21)。
泵壳盖不密封。	确保密封环(21)存在，未损坏且安装正确。手动拧上盖子(15)的4个螺栓。

## 维修和服务

### 保养和清洁

- 在保养或清洁泵、调整设备、更换配件或收起泵前请取出充电电池。这种防护性措施将减少泵意外起动的危险。
- 保持泵整洁，以确保出色安全地操作。

### 更换叶轮（参见插图D）

开始工作前，通过泵壳盖(15)中的观察窗检查叶轮(20)。如果在叶轮上识别到裂缝或表面融化，则叶轮磨损且必须更换：

- 用Torx螺丝刀（尺寸T20）松开泵壳盖(15)上的4个螺栓。
- 取下盖子(15)、中间盖板(18)和观察窗(19)。
- 取出叶轮(20)和密封环(21)。
- 按需清洁泵壳。
- 装入新的叶轮(20)和新的密封环(21)。  
只能使用由Bosch针对该泵规定的部件。
- 尤其要确保密封环(21)已正确卡入密封件凹槽中。
- 将观察窗(19)、中间盖板(18)和盖子(15)置于泵壳上。

- 将盖子(15)用4个螺栓重新拧上。手动拧紧螺栓。

### 存放泵

长时间存放泵前建议清洁叶轮以及泵壳。  
按照叶轮更换所述安装和拆卸叶轮。

### 客户服务和应用咨询

#### 中国大陆

电话：400 826 8484-3-2

#### 制造商地址：

Robert Bosch Power Tools GmbH

罗伯特·博世电动工具有限公司

70538 Stuttgart / GERMANY

70538 斯图加特 / 德国

询问和订购备件时，务必提供机器铭牌上标示的10位数物品代码。

### 处理废弃物

泵、充电电池、附件和包装必须按照环保法规的要求进行回收。



不要将泵和充电电池/电池丢入生活垃圾中！

## 产品中有害物质的名称及含有信息表

部件名称	有害物质									
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBBs)	多溴二苯 醚 (PBDEs)	邻苯二 甲酸二 正丁酯 (DBP)	邻苯二 甲酸二 异丁酯 (DIBP)	邻苯二 甲酸丁 苯酯 (BBP)	邻苯二甲 酸二(2-乙 基)己酯 (DEHP)
外壳的金属部分	O	O	O	O	O	O	O	O	O	O
外壳的非金属部分	O	O	O	O	O	O	O	O	O	O
机械传动机构	X	O	O	O	O	O	O	O	O	O
电机组件	X	O	O	O	O	O	O	O	O	O
控制组件	X	O	O	O	O	O	O	O	O	O
附件	O	O	O	O	O	O	O	O	O	O
配件	O	O	O	O	O	O	O	O	O	O
连接件	X	O	O	O	O	O	O	O	O	O
电源线①	O	O	O	O	O	O	O	O	O	O
电池系统②	O	O	O	O	O	O	O	O	O	O

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