

BP-4000

Smart Battery Station

Enabling On-The-Spot Printing

The BP-4000 Smart Battery Station enhances the mobility of TH DH Series desktop printers, delivering reliable power and smart management for on-the-spot printing.

Key Features

- Detachable battery station brings mobility to TH DH Series desktop printers
- High-capacity 4,000mAh (86Wh) battery powers printing of up to 40,000 inches* of media on a single charge
- Smart battery with Battery Management System (BMS) enables status monitoring via printers, TSC Console, and TSC Console Web
- Swappable battery design allows easy removal and charging with a printer power supply

Specifications

Model	BP-4000
Battery Type	Rechargeable Li-ion smart battery
Physical Dimension	• Battery Pack: 81mm(W)x80mm(H)x297mm(D); 3.19"(W)x3.15"(H)x11.69"(D) • Base Housing: 200mm(W)x95mm(H)x294mm(D); 7.87"(W)x3.74"(H)x11.57"(D) • Printer Quick Release Plate: 183mm(W)x18mm(H)x262mm(D); 7.20"(W)x0.71"(H)x10.31"(D)
Weight	• Battery Pack: 1.17kg; 2.58lbs • Base Housing: 0.79kg; 1.74lbs • Printer Quick Release Plate: 0.36kg; 0.79lbs
Nominal Capacity	4000mAh, 86Wh
Interface	• 1 DC-in port for battery charging • 1 DC power plug cable for supplying power to the printer • 1 USB-A cable for connecting to the printer for battery management • 2 front USB host ports for storage devices or a USB keyboard/scanner
DC Input	24Vdc, 2.5A
DC Output	• DC power plug cable: 24Vdc, 2A • USB1: 5Vdc, 0.5A • USB2: 5Vdc, 0.5A
Charging Time	< 4 hours
Operation Button and LED	• 1 battery power button • 4 LED indicators for battery status
Environment Condition	• Charging: 0°C to 40°C (32°F to 104°F), 45% - 85% non-condensing • Discharging: 0°C to 40°C (32°F to 104°F), 45% - 85% non-condensing • Storage: -20°C to 40°C (-4°F to 104°F), Less than 70% non-condensing
Battery Life Cycle	550 cycles at 80% capacity retention
Safety Regulation	CB, FCC, ICES-003, CE, UKCA, RCM, BSMI, CCC, BIS, UN38.3
Environmental Concern	Comply with RoHS, REACH, WEEE, China RoHS
Applicable Models	TH240 series, DH240 series, TH220 series, DH220 series, DH220L series (exclude DH220E series)
Limited Warranty	1 year

*Printing length may vary based on actual usage.



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