

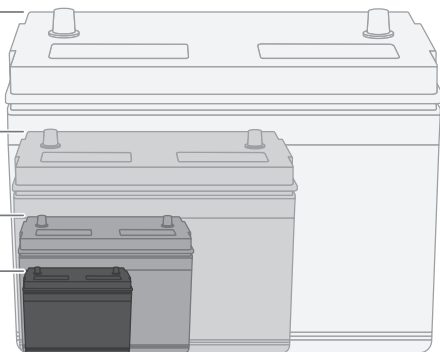


80 °F/27 °C
100%

32 °F/0 °C
65%

0 °F/-18 °C
40%

-20 °F/-29 °C
25%



SUPERIOR CONSTRUCTION

Designed for worry-free operation, the built-in thermostat prevents damage or spills caused by overheating. The wrap's durable, fire-retardant vinyl resists oil and acids. For easy adjustment or removal, the wrap includes a convenient strap and buckle.



CRANKING POWER ON DEMAND

Batteries lose their ability to provide full cranking power in temperatures lower than 80 °F (27 °C). In freezing temperatures, a battery can only provide 65% of its full cranking power, and in extreme weather, an unheated battery's cranking power may fall to 40% or lower.

UL Recognized Battery Thermal Wrap

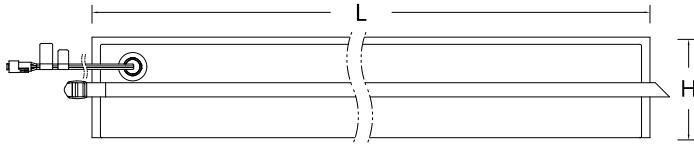
BW

Hotstart battery thermal wraps prolong battery life and improve cranking power in the coldest conditions. The UL Recognized wrap maintains battery temperature at 80 °F (27 °C) for maximum cold cranking amps.



THE RIGHT FIT FOR EVERY BATTERY

Constructed with multiple battery sizing in mind, the wrap is available in multiple lengths tailored to ensure a perfect fit – eliminating excessive overlap or exposed, unheated sections.



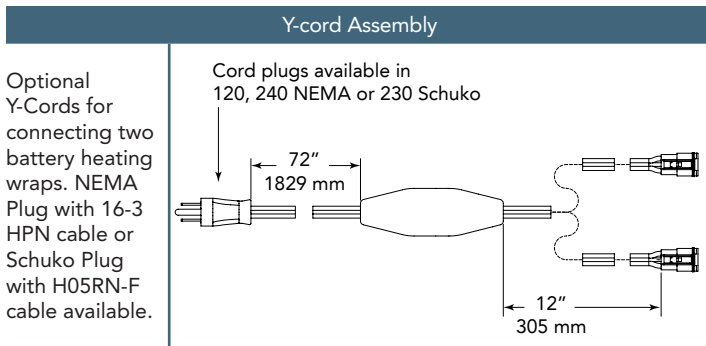
Height (H)	Length (L)	Weight
7.5"	(refer to ORDERING INFORMATION chart)	1.1–2 lbs
191 mm		0.50–0.91 kg

Recommended minimum clearance of 1.5" (38 mm) when placed inside a case or box.

Wrap	
Phase	single-phase (1 Ø)
Voltage	120V 240V
Heat Power	50W 65W 80W 100W 130W 160W
Temp. Control	60–80 °F (16–27 °C), fixed
Power Connector Type	3-pin, 9 inch (229 mm) length
Power Cord	72 inch (1829 mm) length
Power Plug Type (US)	120V NEMA 240V NEMA
Power Plug Type (Euro)*	240V Schuko
Certification	UL-C/US recognized*

* – Euro cord not UL-recognized

Options shown represent typical tested or certified configurations. Additional options or configurations may be available. For assistance with your heating system application, contact Hotstart at 509.536.8660 or sales@hotstart.com.



Y-cord assembly

Part Number	Volts	Plug Type
BW-Y-1	120	NEMA (US)
BW-Y-2	240	NEMA (US)
BW-Y-E	230	Schuko (Euro)

Ordering Information

UL Recognized Battery Wrap – with Thermostat

Battery wrap comes with a 9" (229 mm) pigtail. Power cord has a NEMA plug.

Please order the necessary power cord to complete your wrap assembly.

Select wrap based on either Battery Group or Perimeter

Replacement Strap BW-S-55 for wrap lengths 34", 42" & 50"
Replacement Strap BW-S-80 for wrap lengths 58", 66" & 74"

Battery Group**	Battery Perimeter	Wrap				
		Volts	Watts	Model Number	Power cord***	Wrap Length (L)
22NF	24 - 32" (610 - 813 mm)	120	50	BW0513006S-000	BPC-61	34" (864 mm)
		240	50	BW0523006S-000	BPC-62	
24, 24F, 24H, 24R, 24T, 25, 27, 27H, 34, 34R, 35, 75, 78, GC2	32 - 40" (813 - 1016 mm)	120	65	BW0613806S-000	BPC-61	42" (1067 mm)
		240	65	BW0623806S-000	BPC-62	
30H, 31	40 - 48" (1016 - 1219 mm)	120	80	BW0814606S-000	BPC-61	50" (1270 mm)
		240	80	BW0824606S-000	BPC-62	
2E	48 - 56" (1219 - 1422 mm)	120	100	BW1015406S-000	BPC-61	58" (1473 mm)
		240	100	BW1025406S-000	BPC-62	
4D, 6D	56 - 64" (1422 - 1626 mm)	120	130	BW1316206S-000	BPC-61	66" (1676 mm)
		240	130	BW1326206S-000	BPC-62	
8D	64 - 72" (1626 - 1829 mm)	120	160	BW1617006S-000	BPC-61	74" (1880 mm)
		240	160	BW1627006S-000	BPC-62	

** – Not all battery groups listed. For wrap sizing, consult the factory.

*** – Power cord sold separately. For other cord lengths, consult the factory.

Euro Battery Wrap for Schuko Plug – with Thermostat

Battery wrap comes with a 9" (229 mm) pigtail. Power cord has a Schuko plug.

Please order the necessary power cord to complete your wrap assembly.

Select wrap based on either Battery Group or Perimeter

Replacement Strap BW-S-55 for wrap lengths 34", 42" & 50"
Replacement Strap BW-S-80 for wrap lengths 58", 66" & 74"

Battery Group**	Battery Perimeter	Wrap				
		Volts	Watts	Model Number	Power cord***	Wrap Length (L)
22NF	24 - 32" (610 - 813 mm)	240	50	BW0523006S-100	BPC-62E	34" (864 mm)
24, 24F, 24H, 24R, 24T, 25, 27, 27H, 34, 34R, 35, 75, 78, GC2	32 - 40" (813 - 1016 mm)	240	65	BW0623806S-100	BPC-62E	42" (1067 mm)
30H, 31	40 - 48" (1016 - 1219 mm)	240	80	BW0824606S-100	BPC-62E	50" (1270 mm)
2E	48 - 56" (1219 - 1422 mm)	240	100	BW1025406S-100	BPC-62E	58" (1473 mm)
4D, 6D	56 - 64" (1422 - 1626 mm)	240	130	BW1326206S-100	BPC-62E	66" (1676 mm)
8D	64 - 72" (1626 - 1829 mm)	240	160	BW1627006S-100	BPC-62E	74" (1880 mm)

** – Not all battery groups listed. For wrap sizing, consult the factory.

*** – Power cord sold separately. For other cord lengths, consult the factory.

INSTALLATION INSTRUCTIONS

UL-LISTED / UL-RECOGNIZED BATTERY HEATING WRAP

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BATTERY WRAPS

BEFORE YOU INSTALL

⚠ CAUTION

Electrical hazard: Disconnect battery before installation. Power source must be properly grounded and in accordance with national and local electrical codes. Do not connect wrap to power source prior to installation.

Personal injury: To avoid possible electrical or fire hazard, inspect plug and exposed cord for wear or damage prior to each use. Disconnect heater prior to performing service.

Extension cord hazard: Extension cords may be used if care is exercised in their use. If an extension cord is used, the marked electrical rating of the extension cord should be at least as great as the electrical rating of the appliance; the extension cord should be grounding type 3 wire cord; and the extension cord should be arranged so that it will not snag, cause someone to trip, or be pulled unintentionally.

NOTICE

Overheating hazard: If battery is enclosed in an insulated battery case, a wrap with thermostat is recommended to prevent battery overheating. Excessive overlap or an obstructed thermostat may cause overheating. Overheating may damage battery or shorten battery life.

Battery damage: Battery wrap heaters are not recommended for nickel cadmium batteries.

Enclosure clearance: If placed inside a case or box, HOTSTART recommends a minimum clearance of 1.5 inches (38mm) between battery and enclosure wall.

Weather hazard: The battery heating wrap must not be installed in damp locations, wet locations or locations directly exposed to weather.

Ensure your wrap is properly fitted to your battery size. See Table 1 and Table 2 for wrap sizing.

UL RECOGNIZED BATTERY THERMAL WRAP — WITH THERMOSTAT

Thermostat range: 60 °F – 80 °F (16 °C – 27 °C)

Select wrap based on either Battery Group OR Battery Perimeter		Replacement Strap BW-S-55 for wrap lengths of 34", 42" and 50" Replacement Strap BW-S-80 for wrap lengths of 58", 66" and 74"				
Battery Group*	Battery Perimeter	Model Number	Volts	Watts	Wrap Length	72" Power Cord**
22NF	24–32" (610–813 mm)	BW0513006S-000	120	50	34" (864 mm)	BPC-61
		BW0523006S-000	240	50	34" (864 mm)	BPC-62
24, 24F, 24H, 24R, 24T, 25, 27, 27H, 34, 34R, 35, 75, 78, GC2	32–40" (813–1016 mm)	BW0613806S-000	120	65	42" (1067 mm)	BPC-61
		BW0623806S-000	240	65	42" (1067 mm)	BPC-62
30H, 31	40–48" (1016–1219 mm)	BW0814606S-000	120	80	50" (1270 mm)	BPC-61
		BW0824606S-000	240	80	50" (1270 mm)	BPC-62
2E	48–56" (1219–1422 mm)	BW1015406S-000	120	100	58" (1473 mm)	BPC-61
		BW1025406S-000	240	100	58" (1473 mm)	BPC-62
4D, 6D	56–64" (1422–1626 mm)	BW1316206S-000	120	130	66" (1676 mm)	BPC-61
		BW1326206S-000	240	130	66" (1676 mm)	BPC-62
8D	64–72" (1626–1829 mm)	BW1617006S-000	120	160	74" (1880 mm)	BPC-61
		BW1627006S-000	240	160	74" (1880 mm)	BPC-62

EURO BATTERY THERMAL WRAP FOR SCHUKO PLUG— WITH THERMOSTAT

Thermostat range: 60 °F – 80 °F (16 °C – 27 °C)

Select wrap based on either Battery Group OR Battery Perimeter		Replacement Strap BW-S-55 for wrap lengths of 34", 42" and 50" Replacement Strap BW-S-80 for wrap lengths of 58", 66" and 74"				
Battery Group*	Battery Perimeter	Model Number	Volts	Watts	Wrap Length	72" Power Cord**
22NF	24–32" (610–813 mm)	BW0523006S-100	240	50	34" (864 mm)	BPC-62E
24, 24F, 24H, 24R, 24T, 25, 27, 27H, 34, 34R, 35, 75, 78, GC2	32–40" (813–1016 mm)	BW0623806S-100	240	65	42" (1067 mm)	BPC-62E
30H, 31	40–48" (1016–1219 mm)	BW0824606S-100	240	80	50" (1270 mm)	BPC-62E
2E	48–56" (1219–1422 mm)	BW1025406S-100	240	100	58" (1473 mm)	BPC-62E
4D, 6D	56–64" (1422–1626 mm)	BW1326206S-100	240	130	66" (1676 mm)	BPC-62E
8D	64–72" (1626–1829 mm)	BW1627006S-100	240	160	74" (1880 mm)	BPC-62E

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INSTALL WRAP

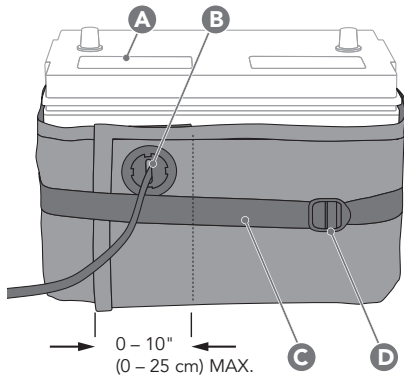


Figure 1. Battery wrap installation, showing battery (A), cord (B), strap (C) and buckle (D). Maximum overlap is 10 inches (25 cm).

1. Disconnect battery negative terminal and then positive terminal. Remove battery.
2. Clean battery sides. If enclosed, clean battery case or box.
3. Wrap battery as shown in Fig. 2. **NOTICE!** Maximum allowable overlap is 10 inches (25 cm). Wrap must not obstruct cord.

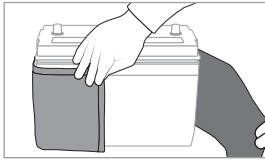


Figure 2. Wrapping battery.

4. Place strap around battery and wrap. Thread strap through buckle as shown. To tighten, double-back strap through buckle and pull tight. Secure excess strap.

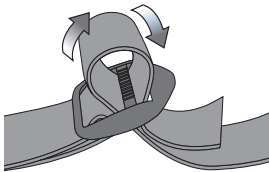


Figure 3. Threading buckle.

5. Connect power cord (if necessary):

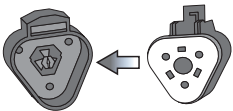
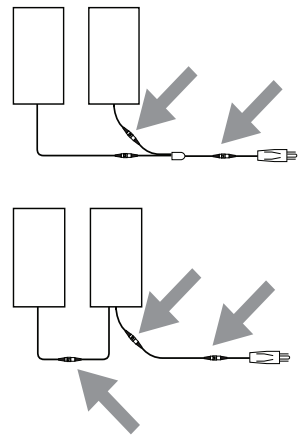


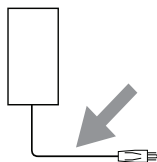
Figure 4. Connecting power cord to three-pin connector.

- If your wrap features a Y-cord accessory, connect the Y-cord to both three-pin wrap connectors as shown in Fig 4.
- If your battery wraps are intended to be connected together, connect the three-pin connectors to each wrap and to the power cord as shown in Fig. 4.



6. Route and secure cord. Ensure battery does not rest on cord. **CAUTION!** Do not secure cord to hot surfaces or moving parts. Do not overtighten clamps or ties used to secure cord. Overtightened clamps or ties may sever or expose cord wiring.
7. Reconnect battery. Connect positive terminal first, then connect negative terminal. Connect wrap to appropriately rated power source.
8. Check wrap and electrical connections for wear or excessive heat every two years of operation.

- If your wrap features a power cord with a NEMA or Schuko plug, no connection is required.



- If your wrap features a three-pin connection and a separate power cord, connect the power cord end to the three-pin connector as shown in Fig. 4.

