BTC-70100
Advanced Battery Charger (ABC)
Battery Chargers

eylex

NSN: 6130-01-660-3696

The Ultimate in Charging Performance

Fast Charging: 8 BB-2590/U batteries charged from 0% to Full in less than 3 Hours
16 Conformal BB-2525/U batteries charged in less than 3.5 Hours

1000W to 300W User Selectable Power
4 Adaptor Ports provide 8 Independent Charging Channels

Utilise your Legacy SPC (Soldier Portable Charger) Adaptors or new ABC Adaptors
Incorporates Field Proven/Design Heritage from the highly-successful SPC and SPC Lite Chargers
Over 65,000 fielded!

Features

- Flexible input power: AC (90 - 264 VAC), DC (10 - 36 VDC), or Solar with MPPT (Maximum Power Point Tracking)
- Familiar charging status: Red/Yellow/Green LED indicators
- Full-colour 4.3" LCD display
- Menu navigation through rotary selector switch: gloved use, night operation compatible, blackout
- Display menu functions allow the user to see:
  - Detailed battery status (SOH, SOC, charging status...)
  - Charger's performance
  - System configuration

	ABC		
Pos	Name	Status	SOC
1A	BT-70791CK	Ready	100%
1B	BT-70791BG	Charge	71%
2A	BT-70791CK	Trickle	95%
2B	BT-70791CK	Charge	9%
3A	BT-70791BG	Charge	70%
3B	BT-70791BGHT	Charge	65%
4A	BT-70791BG	Precharge	0%
4B	BT-70791BG	Charge	68%

BATTERY INFO	
Property	Value
Name	BT-70791CK
Position	1A
Status	Ready
Voltage	16.41 V
Current	0.000 A
SOC	100%
SOH	⚠ 76%
Cycle Count	⚠ 502
Power	0.00 Watts

⚠ Cycle Count exceeds the warning threshold
⚠ SOH is below the warning threshold

- 4 USB Type-A Charging Ports: 5V, 2A capable
- 1 USB Type-C Charging Port: 5V, 3A capable
- Stand alone firmware upgrade using USB flash drive

- Removable cover to minimise required footprint
- Durable, compact and lightweight design: < 0.028 m³, < 9.98 kg
- IP67 - water resistant up to 0.91 m for 30 minutes

- Compliant with MIL-STD-810, MIL-STD-454
- RoHS Compliant
- CE Marked

RoHS COMPLIANT

Technical Specifications

Dimensions	
• **Length**	508 mm
• **Width**	333 mm
• **Height**	160 mm
Weight	9.5 kg
Input Power	90 - 264 VAC, 47 - 440 Hz 10 - 36 VDC
Operating Temperature	– 31ºC to + 55ºC
Storage Temperature	– 40ºC to + 71ºC
Material / Colour	Modified ABS Plastic / Black Base, Tan Cover

Cables

	Part Number	Description	Termination
Included	BTA-70100-AC-1	Universal AC Power Cable (90 - 250 VAC, 47 - 63 Hz)	NEMA5, 15P (US)
	BTA-70100-ACA-1	Adaptor Cable	NEMA6-15P to 5-15R
Optional (sold separately)	BTA-70100-DC12-1	12 VDC Power Cable (10 - 32 VDC)	Ring Lug
	BTA-70100-DC24-1	24 VDC Power Cable (10 - 32 VDC)	NATO Plug
	BTA-70100-DC24-2	24 VDC Power Cable (10 - 32 VDC)	GREENS
	BTA-70100-DC24-3	24 VDC Power Cable (10 - 32 VDC)	Ring Lug
	BTA-70100-DCS-1	Solar Power Cable	AISPCA

ABC Adaptors

	Part Number	Batteries Per Adaptor	Batteries Supported	Estimated Charge Time in Hours
	BTA-70100-1	2	BB-2590/U	< 3
		2	BB-2557/U	< 2
		2	BB-390B/U	< 2.5
		2	BB-590	< 3
		2	BB-557	< 3
	BTA-70100-2	2	AN/PRC-148 *	< 2.5
		2	AN/PRC-152 *	< 2.5
		4	AA NiMH	< 2
		2	D NiMH	< 1
	BTA-70100-3	2	AN/PRC-153 *	< 2.5
		2	C NiMH	< 1

* With/without radio attached. Additional ABC Specific Adaptors available for BB-2847A/U, BB-2600/U, Conformal BB-2525/U, BB-2800/U, AN-PRC-154 and others.

Various solar panel configurations available.

All legacy SPC fielded adaptors supported.

Partnered Supplier

Bren-Tronics, Inc.
Intelligent Military Batteries & Charging Systems™

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