







Premium Series Datasheet



| | AC2P | AC60P | AC70P | AC180P | AC240P | AC200P L |
|---------------------------------------|---|---|---|---|---|---|
| AC Outlets |  US/JP  EU  UK  AU  SA  CN | | | | | |
| Battery | LiFePO ₄ | | | | | |
| Capacity | 230.4 Wh | 504 Wh | 864 Wh | 1,440 Wh | 1,843 Wh | 2,304 Wh |
| Expandable Capacity | / | 2,116 Wh (With 2 x B80P) | 1,670 Wh (With 1 x B80P) 2,912 Wh (With 1 x B230) 3,936 Wh (With 1 x B300) | / | 20,886 Wh (2 x AC240P + 8 x B210P) | 8,448 Wh (With 2 x B300) 6,604 Wh (With 2 x B210P) 4,352 Wh (With 1 x B230) |
| Life Cycles | 3,000+ | 3,000+ | 3,000+ | 3,500+ | 3,500+ | 3,500+ |
| Output Power | 300 W | 600 W | 1,000 W | 1,800 W | US: 2,400 W / 4,800 W (Parallel) JP: 2,000 W / 4,000 W (Parallel) | 2,400 W |
| Lifting Power | 600 W | 1,200 W | 2,000 W | 2,700 W | US: 3,600W / 7,200 W (Parallel) JP: 2,000W / 4,000 W (Parallel) | 3,600 W |
| Charging Time | AC: 1.4 H (270 W Max.) Solar: 1.5 H (200 W Max.) Car: 1.5 H (200 W Max.) Generator: 1.4 H (270 W Max.) | AC: 1.3 H (600 W Max.) Solar: 3 H (200 W Max.) Car: 3 H (200 W Max.) Generator: 3 H (600 W Max.) | AC: 1.5 H (950 W Max.) Solar: 2.2 H (500 W Max.) Car: 4.8 H (200 W Max.) Generator: 1.5 H (950 W Max.) B300 Expansion Battery: 2.2 H (500 W Max.) | AC: 1.5 H (1,440 W Max.) Solar: 3.3 H (500 W Max.) Car: 7.2 H (200 W Max.) Generator: 1.5 H (1,440 W Max.) | AC: 1.2 H (2,400 W Max.) Solar: 1.8 H (1,200 W Max.) Car: 9.2 H (200 W Max.) Generator: 1.2 H (2,400 W Max.) | AC: 1.5 H (2,400 W Max.) Solar: 2.8 H (1,200 W Max.) Car: 12.5 H (200 W Max.) Generator: 2 H (2,000 W Max.) Lead-acid Battery: 3.2 H (850 W Max.) |
| Total Outlets | 6 | 7 | 8 | 11 | 11 | 13 |
| AC Outlets 100V-120V (JP/US) | 2 | 2 | 2 | 4 | 3 | 5 |
| AC Outlets 220V-230V (CN/EU/UK/AU) | 1 | 2 | 2 | 2 | 4 | 4 |
| Bidirectional Inverter | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MPPT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| UPS | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| App | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| IP Grade | / | IP65 | / | / | IP65 | / |
| Weight | 3.6 kg (7.9 lbs) | 8.6 kg (19 lbs) | 10.7 kg (23.6 lbs) | 17 kg (37.5 lbs) | 33 kg (72 lbs) | 28.3 kg (62.4 lbs) |
| Dimensions (L x W x H) | 250 x 150 x 180 mm (9.8 x 5.9 x 7.1 in) | 290 x 205 x 234 mm (11.4 x 8.1 x 9.2 in) | 314 x 209.5 x 255.8 mm (12.4 x 8.2 x 10.1 in) | 340 x 247 x 317 mm (13.4 x 9.7 x 12.5 in) | 419.5 x 293.5 x 409.5 mm (16.5 x 11.6 x 16.1 in) | 420 x 280 x 366.5 mm (16.5 x 11 x 14.4 in) |
| Warranty | 5 Years | 6 Years | 5 Years | 5 Years | 6 Years | 5 Years |

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| | | | | |
|------------------------------------|---|---|--|---|
| Power | 120 W | 200 W | 350 W | 420 W |
| Cell Type | Monocrystalline Silicon | | | |
| Cell Efficiency | Up to 23.4% | | | |
| Voltage at Max. Power (Vmp) | 19.6 V | 20.5 V | 37.5 V | 36.6 V |
| Current at Max. Power (Imp) | 6.1 A | 9.7 A | 9.2 A | 11.5 A |
| Open Circuit Voltage (Voc) | 24.4 V | 26.1 V | 46.5 V | 44.3 V |
| Short Circuit Current (Isc) | 6.43 A | 10.3 A | 10.8 A | 12.2 A |
| Weight | 5.7 kg (12.57 lbs) | 7.3 kg (16.1 lbs) | 13.9 kg (30.6 lbs) | 14 kg (30.8 lbs) |
| Dimensions | Unfolded: 533 x 1652 mm (21 x 65 in) Folded: 533 x 470 mm (21 x 18.5 in) | Unfolded: 590 x 2265 mm (23.2 x 89.2 in) Folded: 590 x 600 mm (23.2 x 24.8 in) | Unfolded: 905 x 2400 mm (35.6 x 94.4 in) Folded: 905 x 613 x 65 mm (35.6 x 24.1 x 2.5 in) | Unfolded: 2675 x 975 mm (105.3 x 38.3 in) Folded: 975 x 660 x 45 mm (38.3 x 25.9 x 1.7 in) |
| Compatibility | All BLUETTI Premium Power Stations | | BLUETTI AC70P/AC180P/AC240P/AC200P L | |
| Warranty | 12 Months | | | |



| | | |
|-------------------------------|--|---|
| Battery | LiFePO ₄ | |
| Capacity | 806 Wh | 2,150 Wh |
| Life Cycles | 3,000+ | 3,500+ |
| Charging Time | AC Adapter: 5 H (200 W Max.) Solar: 7 H (200 W Max.) Car: 5 H (200 W Max.) | AC Adapter: 4.8 H (500 W Max.) Solar: 7 H (500 W Max.) Car: 10 H (200 W Max.) |
| Total Outlets | 3 | 3 |
| Pass-through Charging | ✓ | ✓ |
| IP Grade | IP65 | IP65 |
| Weight | 9.9 kg (21.83 lbs) | 27.9 kg (61.5 lbs) |
| Dimensions (L x W x H) | 290 x 207 x 204 mm (11.42 x 8.15 x 8.03 in) | 416.6 x 282.4 x 269.5 mm (16.4 x 11.1 x 10.6 in) |
| Compatibility | BLUETTI AC60P | BLUETTI AC200P L / AC240P |
| Warranty | 6 Years | |

D40 DC-DC Battery Charger



| | |
|-------------------------------|--|
| Charging Power | 400 W |
| Max. Output Current | 20 A (With AC200P L) 30 A (With Solar Panel) |
| Max. Output Voltage | Lead-acid: 14.4 V LiFePO ₄ : 14.4 V AGM / Gel: 14.7 V Calcium: 15.4 V |
| DC Input | 48 V DC Input: 45 V to 60 V DC PV / Starter Battery Input: 12 V to 36 VDC, 20 A Max. |
| IP Grade | IP20 |
| Weight | 2 kg (4.4 lbs) |
| Dimensions (L x W x H) | 232.7 x 180.7 x 69.2 mm (9.2 x 7.1 x 2.7 in) |
| Compatibility | BLUETTI AC200P L |