

Premium Series Datasheet

Premium 20 (AC2P)



Premium 50 (AC50P)



Premium 60S (AC60P)



Premium 80 (AC70P)










Premium 150 (AC180P)



Premium 240S (AC240P)



AC Outlets		 US/JP  EU  UK  AU  SA  CN  BR					
Battery		LiFePO ₄					
Capacity	230.4 Wh	504Wh	504Wh	864Wh	1,440Wh	1,843Wh	
Expandable Capacity	/	/	2,116Wh(With 2 x B80P)	Power Bank Mode 1,670Wh (With 1 x B80P)	Power Bank Mode 2,246Wh (With 1 x B80P)	20,886Wh (2 x AC240P + 8 x B210P)	
Life Cycles	3,000+	3,000+	3,000+	3,000+	3,500+	3,500+	
Output Power	300 W	700W	600W	1,000W	1,800W	2,400W /4,800W (Parallel)	
Lifting Power	600 W	1,200W	1,200W	2,000W	2,700W	3,600W /7,200W (Parallel)	
PV Input	12V~28V,200W Max.	12V~28V,200W Max.	12V~28V,200W Max.	12V~58V,500W Max.	12V~60V,500W Max.	11V~60V,1,200W Max.	
Charging Time	AC	1.4 H(270W Max.)	1.3 H(600W Max.)	1.3 H(600W Max.)	1.5 H(950W Max.)	1.5 H(1,440W Max.)	1.2 H(2,400W Max.)
	Solar	1.5 H(200W Max.)	3 H(200W Max.)	3 H(200W Max.)	2.2 H(500W Max.)	3.3 H(500W Max.)	1.8 H(1,200W Max.)
	Car	1.5 H(200W Max.)	3 H(200W Max.)	3 H(200W Max.)	4.8 H(200W Max.)	7.2 H(200W Max.)	9.2 H(200W Max.)
	Generator	1.4 H(270W Max.)	1.3 H(600W Max.)	1.3 H(600W Max.)	1.5 H(950W Max.)	1.5 H(1,440W Max.)	1.2 H(2,400W Max.)
Total Outlets*	6	7	7	8	11	9	
AC Outlets 100V-120V (JP/US)	2	2	2	2	4	3	
Bidirectional Inverter	✓	✓	✓	✓	✓	✓	
MPPT	✓	✓	✓	✓	✓	✓	
UPS	✓	✓	✓	✓	✓	✓	
App	✓	✓	✓	✓	✓	✓	
IP Grade	/	/	IP65	/	/	IP65	
Weight	3.6 kg (7.9 lbs)	6.9 kg (15.2 lbs)	9.6 kg (21.16 lbs)	10.7 kg (23.6 lbs)	17.0 kg (37.5 lbs)	33.0 kg (72.0 lbs)	
Dimensions (L × W × H)	250 × 150 × 180 mm (9.8 × 5.9 × 7.1 in)	280 × 200 × 220 mm (11 × 7.9 × 8.7 in)	290 × 205 × 234 mm (11.4 × 8.1 × 9.2 in)	314 × 210 × 256 mm (12.4 × 8.2 × 10.1 in)	340 × 247 × 317 mm (13.4 × 9.7 × 12.5 in)	420 × 294 × 410 mm (16.5 × 11.6 × 16.1 in)	
Warranty	5 Years	5 Years	6 Years	5 Years	5 Years	6 Years	
SKU	P-AC2P-US-GY-BL-010	P-AC50P-US-GY-BL-010	P-AC60P-US-GY-BL-010	P-AC70P-US-GY-BL-010	P-AC180P-US-GY-BL-010	P-AC240P-US-GY-BL-010	
UPC	193022002050	193022002616	193022001435	193022001916	193022001442	193022002173	

*The number of outlets may vary based on different country's version.

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Premium 200 V2



Premium 200 (AC200PL)



Expansion Battery

B80P



B210P



BlueCell 300 (B300K)



AC Outlets	US/JP EU UK AU SA CN BR	
Battery	LiFePO ₄	
Capacity	2,073.6Wh	2,304Wh
Expandable Capacity	/	6,604Wh (With 2 x B210P) 7,834Wh (With 2 x B300K)
Life Cycles	6,000+	3,500+
Output Power	2,700W	2,400W
Lifting Power	4,050W	3,600W
PV Input	11V~60V,1,000W Max.	12V~145V,1,200W Max.
Charging Time	AC	1.4 H(1,800W Max.)
	Solar	2.4 H(1,000W Max.)
	Car	4.2 H(560W Max.)
	Generator	2 H(1,200W Max.)
	Car / Lead acid Battery : 12.5 H(200W Max.)	2 H(2,000W Max.)
Total Outlets*	9	13
AC Outlets 100V-120V (JP/US)	4	5
Bidirectional Inverter	✓	✓
MPPT	✓	✓
UPS	✓	✓
App	✓	✓
IP Grade	/	/
Weight	24.2 kg (53.35 lbs)	28.3 kg (62.4 lbs)
Dimensions (L x W x H)	350 x 250 x 323.6 mm (13.78 x 9.84 x 12.74 in)	420 x 280 x 367 mm (16.5 x 11.0 x 14.4 in)
Warranty	5 Years	5 Years
SKU	TBD	P-AC200PL-US-GY-BL-010
UPC	TBD	193022002074

Battery	LiFePO ₄		
Capacity	806Wh	2,150Wh	2,764.8Wh
Life Cycles	3,000+	3,500+	4,000+
Charging Time	AC Adapter	4.5 H (200W Max.)	4.8 H (470W Max.)
	Solar	4.5 H (200W Max.)	4.5 H (500W Max.)
	Car	4.5 H (200W Max.)	10 H (200W Max.)
Total Outlets	3		1
IP Grade	IP65	IP65	IP20
Weight	9.9 kg (21.8 lbs)	27.9 kg (61.5 lbs)	29.5 kg (65.04 lbs)
Dimensions (L x W x H)	290 x 207 x 204 mm(11.4 x 8.2 x 8.0 in)	417 x 282 x 270 mm(16.4 x 11.1 x 10.6 in)	525 x 327 x 209 mm(20.67 x 12.87 x 8.23 in)
Compatibility	Premium 60S / Premium 80 / Premium 150	Premium 200 / Premium 240S	Premium 200/AC200MAX/AC300 / AC500
Warranty	6 Years		4 Years

PV Optimizer (D40)



Charger 1 (D60L)



Charging Power	400W
Max. Output Current	20 A(With Premium 200) 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	2.0 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	Premium 200

Power	560W
Current	10A
Default Voltage	27V
Voltage Range	15.0V to 56.0V (Adjustable Via App)(With 12v Battery) 27.0V to 56.0V (Adjustable Via App) (With 24v Battery)
DC Input	12V,50A Max. (With 12V Battery) 24V, 25A Max. (With 24V Battery)
IP Grade	IP20
Working Temperature	-20°C to 60°C (-4°F to 140°F)
Weight	1.2 kg (2.65 lbs)
Dimensions (L x W x H)	145 x 110 x 60 mm(5.71 x 4.33 x 2.36 in)

*The number of outlets may vary based on different country's version.