

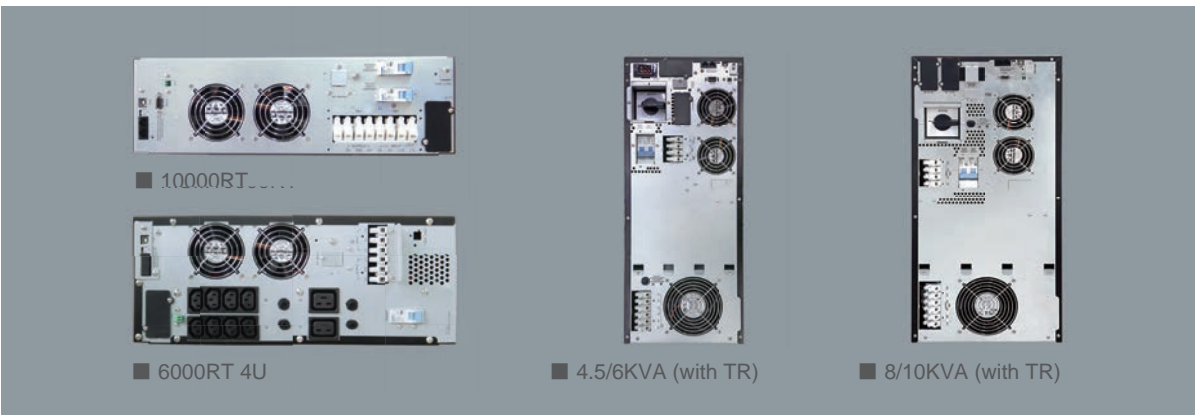
Advanced Digital 1.0 PF Series

High Performance Redundancy On-Line UPS

Tower 4500VA~10000VA
RT 4500VA~10000VA



- Rack/Tower Convertible Design
- Power Factor 1.0
- Patent Backup Runtime Estimation
- Flexible Battery Configuration
- Easy Parallel Installation
- Frequency Converter Operation Mode
- Smart ECO Mode
- Generator Compatible Mode
- Full-time Digital Signal Processor (DSP) Control
- LCD Mimic Panel
- Power Range and Runtime Scalability
- Optional Galvanic Isolation Transformer Module / MTBS Box



Specifications

MODEL		BBP-ADV-4500-PSW-ONL		BBP-ADV-6000-PSW-ONL		BBP-ADV-8000-PSW-ONL		BBP-ADV-10000-PSW-ONL	
Input	Phase	1Φ, Line + Neutral + Ground							
	Voltage Range**	110-280VAC							
	Frequency Range	Output 50Hz		40~60Hz					
		Output 60Hz		50~70Hz					
	Input Current Distortion	≤5%							
Input Power Factor	Up to 0.99 @Linear Load								
Capacity	4500VA/4500W		6000VA/6000W		8000VA/8000W		10000VA/10000W		
Output	Voltage	without Transformer	200/208/220/230/240Vac, settable						
		with Transformer	120/208 or 110/220 or 115/230 or 120/240						
	Output Power Factor***	1							
	Output Voltage Distortion	≤2% @ 100% Linear load							
		≤3% @ 100% non-linear load(PF=0.9) ≤7% @ 100% non-linear load(PF=0.7)							
Efficiency	Output Voltage Regulation	without Transformer	±1%						
		with Transformer	±3%						
	Frequency Range	(Synchronized Range)	±1Hz or ±3Hz (Selectable)						
	Crest Factor	3:1							
	Output Waveform	Pure Sine Wave							
Efficiency	Line Mode	without Transformer	93%				94%		
		with Transformer	90%				91%		
	High Efficiency Mode	without Transformer	98%				95%		
		with Transformer	94%				95%		
Battery	Number of Battery	12/14/16/18/20					16/18/20		
	Battery Type	VRLA, Sealed Maintenance Free Lead Acid							
	Recharge Time (to 90%)	4hours							
	Charger	12/14/16 Model	2-step(CC-CV), 1.9A(max.)				N/A		
Display		16/18/20 Model	2-step(CC-CV), 1.7A(max.)						
	Status On LED + LCD	Line Mode, Backup Mode, ECO Mode, Bypass Supply, Battery Low, Battery Bad/Disconnect, Overload, and Transferring with interruption & UPS Fault							
	Readings On LCD	Input Voltage, Input Frequency, Output Voltage, Output Current, Output Frequency, Load Percentage, Battery Voltage, Inner Temperature, Backup time estimation							
	Self-Diagnostics	Upon Power-on, Manual control by panel & communication, self routine check							
Alarm	Audible or Visual	Line Failure / Battery Low / Transfer to Bypass / System Fault							
Protection	Full Protection	Overload, Over temperature, Short circuit, ABDM, overcharge							
Function	Multi-Mode	Normal/ ECO/ CVCF							
	DC start	Yes							
	Parallel capacity	up to 4 units							
	Parallel redundancy	3+1							
Physical	Tower Model (with Batt)	Dimensions (WxHxD, mm/inch)	240x509x700 / 9.5x27.6x20				288x509x700 / 11.3x20x27.6		
		Net Weight (kgs/lbs)	76/167				91/200		
	Tower Model (with Transformer & Batt)	Dimensions (WxHxD, mm/inch)	240x657x700 / 9.5x25.9x20				288x657x700 / 11.3x25.9x27.6		
		Net Weight (kgs/lbs)	119 / 262.3				133 / 293.2		
	RT Model	Dimensions (WxHxD, mm/inch)	440x88x685 / 17.3x3.5x26.0				440x132x685 / 17.3x5.2x26.0		
		Net Weight (kgs/lbs)	18.5 / 40.8				21.5/47.4		
	RT Model (with Battery)	Dimensions (WxHxD, mm/inch)	440x176x685 / 17.3x6.9x26.0				N/A		
		Net Weight (kgs/lbs)	60/132.3 (5Ahx20)				N/A		
RT Transformer Module	Dimensions (WxHxD, mm/inch)	440x88x660 / 17.3x3.5x26.0				440x132x660 / 17.3x5.2x26.0			
	Net Weight (kgs/lbs)	42 / 92.6				58 / 127.9			
Environmental	Operation Temperature	0~40°C/ 32~104°F							
	Operation Humidity	20%~95%RH (Without condensing)							
	Altitude	1000m/3280ft without Derating							
	Noise Level	≤60dBA @ 1 Meter				≤60dBA @ 1 Meter			
Interface	Standard	USB, EPO/ROO							
	Option	2nd RS232, USB, RS485, Dry Contact Relay, SNMP/WEB Card							
	Compatible Platforms	microsoft Windows series, Linux, Mac, etc.							
Standards and Certifications****	Safety	EN62040-1, UL1778							
	EMC	EN62040-2, FCC part 15 Class A, EN61000-2-2, EN61000-3-2/3,							
	Marks	CE/TUV, cULus							

Battery Bank Specifications

UPS model	Code	Max Battery number / String	Max Battery Quantities	Dimensions(HxWxD,mm)
4.5K~10K Tower	BBP-ADV-10000-PSW-ONL-EBP	20	60	700x288x657 / 27.6x11.3x25.9
4.5K~6K RT	BBP-ADV-6000RM-PSW-ONL-EBP	20	20	88x440x483.5 / 3.5x11.3x26.9
8K~10K RT	BBP-ADV-10000RM-PSW-ONL-EBP	20	20	132x440x685 / 5.2x11.3x27

* Specifications subject to change without notice, and the final explanation rights are reserved by Battery Backup Power, Inc.
** Depending on load percentage : 176-280 VAC, without derating ; 160-176 VAC, derating to 75% Load ; 110-160 VAC , derating to 50% Load *** Max.
depending on number of battery. PF:1.0-10K(20S),6K(20S/18S/16S) ; PF:0.9/0.8-10K(18S),6K(14S) ; PF:0.7-10K(16S),6K(12S)
**** Depending on the model and voltage, more information please contact with Battery Backup Power, Inc.

