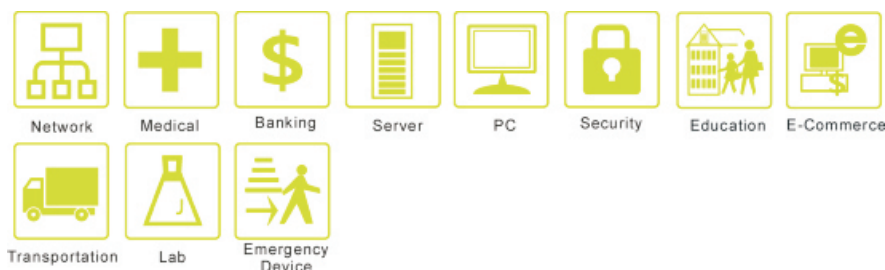


## PDUeX BH20S-RM6 HF Online Rack Mounted UPS (2KVA)



### System Introduction

PDUeX BH20S-RM6 (Rack Mount) is a double conversion 1/1, 3/1 Phase pure online UPS with DSP control. It has been designed for mainstream double conversion system with N+1 or N+X parallel redundancy feature, and manufactured with advanced SMT international standard, which provide outstanding stability and reliability. Comes with 6\*12v/7Ah batteries pack, providing 8-15minutes of back up time.



*"Quality manufactured UPS  
to British and EU standards"*

### System Features

#### High Performance Index

- ✓ Latest HF switching power supply rectifier and PFC Technology. Input Power Factor 0.99, THDI≤3.5%
- ✓ Wide Input Range from 160~300Vac on full load (100% Load, If Load is below 50%, it can be reached even equal or lower than 115Vac). On 3 Phase Model Input range is from 304 ~ 478 Vac.
- ✓ Latest IGBT technology to achieve high overall efficiency up to 90%. Compatible with 220/230/240V and 50/60 Hz grid supply systems
- ✓ Powerful overload ability with output short circuit protection technology: 1-3 KVA: 120% overloads for 1 minute. 150% for 60ms transfer to bypass and alarm. 6-10KVA: 105-130% overload for 10 minutes, >130% overload for 60ms.
- ✓ Systems have parallel redundancy feature to increase the system reliability level.
- ✓ Can be connected with all kinds of generators to save customers costs.
- ✓ Intelligent temperature compensator and low wave charger can extend battery lifetime.
- ✓ Intuitive dual LCD and LED display panels, which comprehensively and intuitively reflect the state of power system statuses, parameters, and other information. Users can modify and operate based on individual needs on these friendly displays.
- ✓ 19" inch Rack Mount structure design. It can be compatible with standard communication cabinet to greatly save data room spaces.

#### Safe and Reliable

- ✓ PDUeX BH Series adapts DSP technology to control UPS all kinds of power function processes (including Parallel function) in order to increase system reliability.
- ✓ PDUeX BH Series adapts sensitive peak current protection circuit design to protect the system from damages due to short-circuit, cold load impacts.
- ✓ 90% of system components are from international famous brands. All devices has been aged and fully tested for at least 24 hours before leaving the factory.

#### Rich Optional Accessories

- ✓ PDUeX BH Series can use SNMP Network Adapter, RS485/Dry Contact, USB port, and EPO function to build up a remote control and monitoring system.



Host Machine Specification								
Capacity	1KVA / 0.8KW	2KVA / 1.6KW	3KVA / 2.4KW	6KVA / 4.8KW	10KVA / 8KW	10KVA / 8KW	15KVA / 12KW	20KVA / 16KW
UPS Structure	Double Conversion High Frequency Online							
Appearance	Tower or Rack-Mount Type							
Overall Efficiency (AC-AC )	> 90%							
Noise (In 2 meters)	< 50dB							
Working Temp	0-40℃							
Storage Temp	-15 ~ 60℃ (Without BATs)							
Humidity	< 95% Non-condensing							
Safety Standard	GB/T14715							
EMC Standard	EN 50091-1/2							
Protections	Overload, Short-Circuit, Over Temp., Utility Power Voltage High/low, BAT Voltage High/low							
Parallel Redundancy	None				Available			
DC Start	Available							
Generator Compatibility	Available							
Manual Maintenance Bypass	None				Optional			
Display	LCD/LED: UPS Status, INV Status, Bypass Status, BAT Status, BAT %, Load %, Fault Messages							
Alarm	Auto							
Mute	Auto							
Rectifier Specification								
Capacity	1KVA / 0.8KW	2KVA / 1.6KW	3KVA / 2.4KW	6KVA / 4.8KW	10KVA / 8KW	10KVA / 8KW	15KVA / 12KW	20KVA / 16KW
Input Voltage Range	100% Load:160~300Vac50%Load:115~300Vac			175 ~ 280Vac		304 ~ 478Vac		
Input Frequency Range	45-65Hz (Auto-Tracking)							
Input PF	0.99							
THDI	< 5%							
Output Specification								
Capacity	1KVA / 0.8KW	2KVA / 1.6KW	3KVA / 2.4KW	6KVA / 4.8KW	10KVA / 8KW	10KVA / 8KW	15KVA / 12KW	20KVA / 16KW
Output Voltage	220Vac							
Output PF	0.8,0.9 optional							
Output Voltage Regulation	220Vac±1% (Static Load) ; 220Vac±2% (50-0% Sudden Change) ; 220Vac±3% (100-0% Sudden Change)							
Output Freq. ( Online Mode)	When 46Hz ≤Input Freq.≤ 54Hz, Input Freq.=Output Freq. ; When Input Freq.<46Hz or >54Hz, Locked at 50Hz							
Output Freq. (BAT Mode)	50Hz± 0.2%							
Output Waveform	Pure Sine Wave							
Distortion	< 1% (Linear Full Load) , <3%(None-Linear Full Load)							
Overload	> 125%: More than 1 min > 150%: 300ms transfer to bypass				> 120%: More than 1 min > 150%: 300ms transfer to bypass			
Crest Ratio	3 : 1							
Efficiency	> 90%							
Short-Circuit	Circuit Auto Protection, Output Voltage/Current 0							
Output Abnormal	INV Output Auto-Locked Protection							
Noise Suppression	EMI/RFI Wave filter							
BAT Low	Shutdown Protection							
Dynamic Response	3% at full load recovering in 20ms							
Auto-Restart	Available							
Software Control	Available							
Bypass Specification								
Capacity	1KVA / 0.8KW	2KVA / 1.6KW	3KVA / 2.4KW	6KVA / 4.8KW	10KVA / 8KW	10KVA / 8KW	15KVA / 12KW	20KVA / 16KW
Static Bypass Transfer Time	0ms							
Static Bypass Range	80Vac± 5%~285Vac±5%							
Bypass -> INV Transfer Time	2ms							