

6KVA - 20KVA

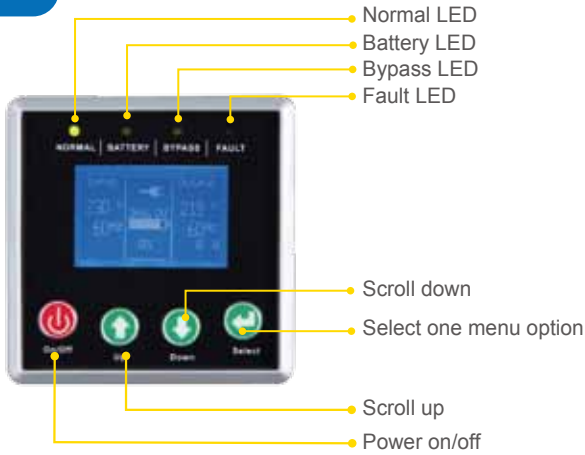


Features:

- High Performance True Double Conversion On-Line UPS 6-20KVA
- Rack / Tower Convertible Cabinet-12U for 6/10KVA, 19U for 20KVA
- External Battery Bank (Optional) to Extend Back-up Time
- Microprocessor Control Guarantees High Reliability
- Low Heat Dissipation in Long Time Operation
- Emergency Power-off Function (EPO)
- Input THDi < 5% / Output THD < 2%
- N+X Parallel Redundancy (Optional)
- High Efficiency Mode (ECO Mode)
- Fan Speed Control and DC Start
- Output Voltage Regulation < 1%
- Isolation Transformer (Optional)
- Automatic Self-Testing Function
- Power Management Software
- Output Power Factor 0.9
- Maintenance Bypass

IDEAL UPS FOR IDEAL CHOICE

Front Panel:

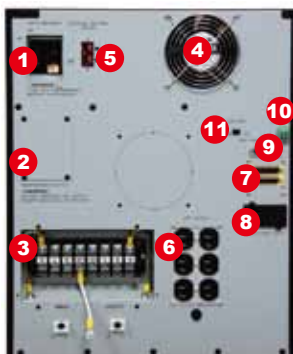


Hot-Swappable Battery Design:

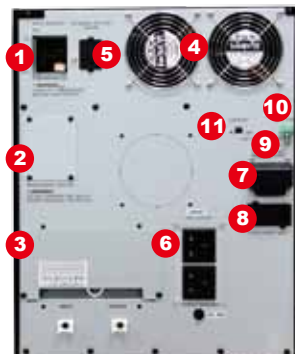
Total batteries can be installed in UPS cabinet:
 6KVA: 12V/7AH*20PCS*2sets (Optional)
 10KVA: 12V/9AH*20PCS*2sets (Optional)



Rear Panel:



6KVA



10KVA

- ① Input Breaker
- ② Maintenance Bypass Switch
- ③ Terminal for Input and Output
- ④ Cooling Fan
- ⑤ External Battery Connector: 240VDC
- ⑥ Outlets
- ⑦ Parallel Port
- ⑧ Intelligent Slot
- ⑨ Communication Interface Port
- ⑩ E.P.O. Function
- ⑪ USB Port

N+X Parallel Redundancy and Capacity Expansion (Max. 4sets in same capacity):



Isolation Transformer (Optional):



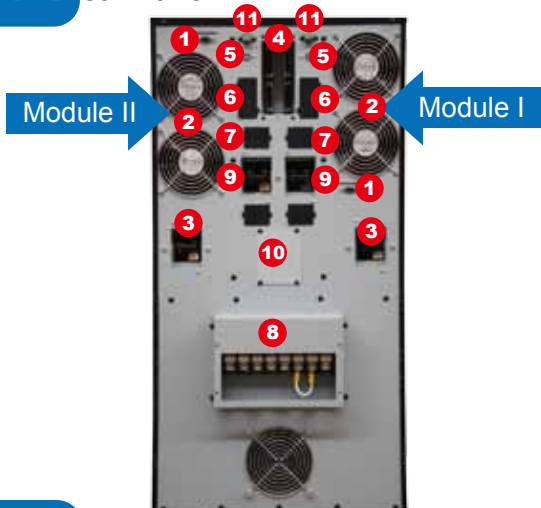
Front Panel:



Hot-Swappable Battery Design:



Rear Panel:

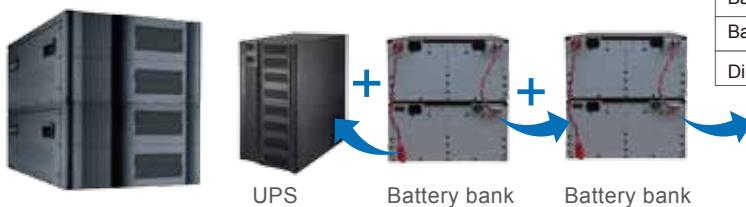


- ① Dry Contact
- ② Cooling Fan
- ③ Input Breaker
- ④ Parallel Port
- ⑤ USB Port
- ⑥ Intelligent Slot
- ⑦ External Battery Connector: 240Vdc
- ⑧ Terminal for Input and Output
- ⑨ Battery Breaker
- ⑩ Maintenance Bypass Switch
- ⑪ E.P.O Port

N+X Parallel Redundancy and Capacity Expansion (Max. 2sets in same capacity):



Extensible battery bank:



Model No.	BBR10-240V-26AH	BBR5-240V-26AH
Battery Type	12V/26AH	12V/7AH
Battery Number	20PCS	40PCS
Dimension (D*W*H)mm	650*440*440MM	650*440*220MM

Specification

Capacity	6KVA/5.4KW		10KVA/9KW		20KVA/18KW	
Input						
Phase	1 Phase 2 Wires + Ground					
Voltage	208/220/230/240VAC					
Voltage Range	110VAC - 276VAC (Depends on the load)					
Frequency	50Hz or 60Hz (Auto Sensing)					
THDi	< 5% with R Full Load					
Power Factor	> 0.99 at R Full Load					
Output						
Phase	1 Phase 2 Wires + G or 1 Phase 3 Wires +G(With Isolation Transformer)					
Voltage	208/220/230/240VAC for 1 Phase 2 Wires +G ; 110/220VAC or 115/230VAC or 120/240VAC for 1 Phase 3 Wires +G (With Isolation Transformer)					
Voltage Regulation	+/- 1% (+/-2% with Isolation Transformer)					
Frequency (Battery Mode)	50Hz or 60Hz +/-0.05Hz					
Waveform	Pure Sinewave					
THD	< 2% (Linear Load) or <5% (Non-Linear Load)					
Overload Capacity	105% - 125% for 2 Minutes ; 125% - 150% for 30 Seconds ; >150% for 1 Second					
Crest Ratio	3:1					
Efficiency						
To AC mode	> 92% at Full Load and Battery Full Charged					
To Battery mode	> 92% at Full Load and 12VDC/Battery					
ECO Mode	> 96% at Full Load and Battery Full Charged					
Battery						
Voltage	240VDC					
Type	12V/7AH*20pcs	Extendable	12V/9AH*20pcs	Extendable	12V/9AH*20pcs*2sets	Extendable
Back-up (Full/Half load)	5.5mins/16mins	Depend on Capacity of External Battery	3.9mins/12.5mins	Depend on Capacity of External Battery	3.9mins/12.5mins	Depend on Capacity of External Battery
Charging Current (Max.)	1.2A (Extendable)					
Recharge Time	7Hrs to 90%	Depend on Capacity of External Battery	8Hrs to 90%	Depend on Capacity of External Battery	8Hrs to 90%	Depend on Capacity of External Battery
Transfer Time						
Line <-> Battery	0ms					
Inverter <-> Bypass	0ms					
ECO Mode <-> Inverter	< 10ms					
Display						
LED	Normal (Green), Bypass (Yellow), Fault (Red), Battery (Yellow)					
LCD	Load Level/Battery Voltage/Battery Mode/AC Mode/Bypass Mode Information					
Audible Alarm						
Battery Mode	Sounding Every 4 Seconds					
Low Battery	Sounding Every Second					
Overload	Sounding Twice Every Second					
UPS Fault	Continuously Sounding					
Communications						
Interface(Port)	Dry Contact & USB					
Management Software via USB Port	Monitoring Software Supporting Windows 98/NT/2000/XP/2003/ME/Vista, Linux, Sun Solaris, IBM Aix, Compaq True64, SGI IRIX, FreeBSD, HP-UX and MAC					
Intelligent Slot	SNMP /RS485 / AS400					
EPO	Emergency Power Off					
Environment						
Temperature	0 - 40°C (32°F - 104°F)					
Humidity	0 - 95% non-condensing					
Acoustic Noise	< 50dB at 1M					
Safety Standard						
LVD	EN62040-1:2008					
EMC	EN62040-2:2006					
Physical						
Dimension (W*H*D)	440*528*630mm (12U)		440*528*630mm (12U)		440*528*836mm (19U)	
Weight (kgs)	100Kgs	Depend on Capacity of External Battery	115Kgs	Depend on Capacity of External Battery	200Kgs	Depend on Capacity of External Battery
Design, Manufacture, Services						
ISO 9001-2000						
Warranty						
1 year						

Model Comparison Table

Model	Features	External Battery Bank	Extendable Charger	Isolation Transformer
IDEAL-9306LRB-12U				
IDEAL-9306LRB-12UE		YES	YES (3/6/9/12Amp)	
IDEAL-9306LRB-12U-ISO				YES (Output 1P3W+G)
IDEAL-9310LRB-12U				
IDEAL-9310LRB-12UE		YES	YES (3/6/9/12Amp)	
IDEAL-9310LRB-12U-ISO				YES (Output 1P3W+G)
IDEAL-9320LR-19U				
IDEAL-9320LR-19UE		YES	YES (3/6/9/12Amp)	
IDEAL-9320LR-19U-ISO				YES (Output 1P3W+G)