
B60US-IB | B120US UPS

Three phase modular

208 Vac



UPS SYSTEMS

- Easy to scale modular design
- Lightweight hot swappable 20kVA power modules, 44lb
- Parallel system capability
- User-friendly graphic interface
- High efficiency in double conversion, up to 95%
- ECO mode, up to 99% efficiency
- Removable static switch
- Self-loading, reducing installation cost
- Front access service
- Intuitive and easy-to-use 7" touch-screen interface

/ B60US-IB | B120US UPS

Technical specifications

BASE MODEL	B60US-IB			B120US					
Topology	True on-line battery, double conversion, VFI								
Construction	Modular, parallel, hot-swappable power modules								
Power per system	20kVA/18kW-60kVA/54kW			20kVA/18kW-120kVA/108kW					
Parallel capability	4 systems*								
INPUT									
Grid type	3 x 208 Vac (4 wire + Gnd)								
Voltage range	+10 % / -15 % (down to -20 % with linear derating)								
Maximum current	3 x 62 A per module								
Frequency range	40-70 Hz								
Power walk-in	<60 sec., selectable								
Power Factor	0.99								
THDi	Up to 5%								
In-rush current	None								
Bypass voltage tolerance	Selectable								
OUTPUT									
Rated power	60kVA / 54kW			120kVA / 108kW					
Grid type	3 x 208 Vac (4 wire + Gnd)								
Frequency	50/60 Hz								
Frequency tracking range	±(0.5, 1, 2, 3, 4) Hz, selectable								
Frequency slew rate	<1 Hz/s								
Frequency (in free-running mode)	50Hz / 60Hz ±0.1 %								
Static voltage regulation	±1 %								
Regulation for 100% unbalanced load	±1 %								
Dynamic response to 100 % load step	±2 %								
Overload withstand (inverter mode)	125 % for 10 min								
THDv	Linear load: <2 %								
AC/AC efficiency	up to 94 %, 93 % at 50 % load								
DC/AC efficiency	up to 97 %								
ECO mode efficiency	up to 99 %								
BATTERIES									
DC-link voltage	±192V								
Battery location	Internal			External					
Configuration	3 x 32 x 12 Vdc 20 Ah			32 x 12 Vdc					
Type	Sealed, lead-acid								
GENERAL									
Backfeed protection	Internal								
Power off button	Optional								
Operating temperature	+14 °F to +104 °F / -10 °C to +40 °C								
UPS storage temperature	-4 °F to +140 °F / -20 °C to +60 °C								
Storage temperature with batteries	According to battery specifications								
Relative humidity	95 % max., non-condensing								
Enclosure	IP 20								
Cooling system	Multi-fan with speed control (forced air)								
DESIGN & MANUFACTURING STANDARDS									
Safety	UL 1778 (5 th edition)								
EMC	FCC part 15/B								
DIMENSIONS									
UPS BASE	60kVA / 54kW			120kVA / 108kW					
# of power modules	1	2	3	1	2	3	4	5	6
Power output (kVA / kW)	20/18	40/36	60/54	20/18	40/36	60/54	80/72	100/90	120/108
Height, Width, Depth (in / mm)	H= 80 / 2015, W= 24 / 600, D= 41 / 1035								
Weight (lb/kg) w/o batteries	485/220	529/240	573/260	485/220	529/240	573/260	617/280	661/300	1005/320
Weight of power module (lb / kg)	44 / 20								

All specifications are under nominal conditions.

* Contact your SolarEdge Critical Power sales representative for more information and options.