
B240US UPS

Three phase modular

480 Vac



UPS SYSTEMS

30 kVA/kW to 960 kVA/kW

- Easy to scale modular design
- Lightweight hot swappable 30kVA power module, 44lb
- Parallel system capability
- User-friendly graphic interface
- High efficiency in double conversion, 96.8%
- ECO mode, up to 99% efficiency
- Self-loading, reducing installation cost
- Intuitive and easy-to-use 7" touchscreen interface

/ B240US UPS

Technical specifications

BASE MODEL		B240US							
Topology	Double conversion, VFI								
Construction	Modular, parallel, hot- swappable power modules								
Power per system	30 - 240 kVA / kW								
Parallel capability	4 systems*								
INPUT									
Grid type	3 x 480 Vac, (3 wires + Gnd)								
Voltage range	+10 % / -15 % (down to -20 % with linear derating)								
Maximum current	3 x 38 A per module								
Frequency range	40-70 Hz								
Power walk-in	<60 s, selectable								
Power Factor	> 0.99								
THDi	Up to 3 %								
In-rush current	None								
Bypass voltage tolerance	Selectable								
OUTPUT									
Rated power	30 - 240kVA/kW								
Grid type	3 x 480 Vac, (3 wires + 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)	60 Hz ±0.1 %								
Static voltage regulation	±1 %								
Regulation for 100% unbalanced load	±1 %								
Dynamic response to 100 % load step	<±2 %								
Overload withstand (inverter mode)	Up to 110 % : continuous; 110-125 % : 10 min; 126-150 % : 60 s								
THDv	Linear load:<2 %								
AC/AC efficiency	Up to 96.8 %								
DC/AC efficiency	Up to 96.5 %								
ECO mode efficiency	Up to 99 %								
BATTERIES									
DC-link voltage	±240								
Battery location	External								
Configuration	40 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								
Storage temperature	-4 °F to +140 °F / -20 °C to +60 °C								
Relative humidity	95 %, max., non-condensing								
Enclosure	IP20								
Cooling system	Multi-fan with speed control (forced air)								
DESIGN & MANUFACTURING STANDARDS									
Safety	UL 1778 (5 th edition)								
EMC	FCC part 15/B								
DIMENSIONS									
# of power modules	1+1	2	3	4	5	6	7	8	
Power output (kVA / kW)	30	60	90	120	150	180	210	240	
Height, Width, Depth (in / mm)	H= 80 / 2015, W= 24 / 600, D= 41 / 1035								
Weight (lb/kg)	695/315	695/315	788/357	832/377	925/419	969/439	1061/481	1105/501	
Weight of DC-DC module (lb / kg)	42 / 19								
Weight of power AC module (lb / kg)	44 / 20								

All specifications are under nominal conditions.

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