

UPS BDN ONLINE RACKEABLE 10 KVA

BDN-10KOR

Capacity	10 kVA / 10 kW
INPUT	
Input wiring	Single-phase three-wire (1 Φ + N + PE)
Rated voltage	208 / 220 / 230 / 240 Vac
Voltage range	110 ~ 176 Vac (linear derating between 50% and 100% load); 176 ~ 288 Vac (no derating)
Rated frequency	50 / 60 Hz (auto-sensing)
Frequency range	40 ~ 70 Hz
Power factor	≥ 0.99
Bypass voltage range	- 40% ~ +15% (settable)
Total harmonic distortion (THDi)	$\leq 5\%$
OUTPUT	
Output wiring	Single-phase (L-N)
Rated voltage	208 (PF=0.9) / 220 / 230 / 240 Vac
Voltage regulation	$\pm 1\%$
Frequency	Synchronized to bypass in mains mode; 50 / 60 Hz $\pm 0.1\%$ Hz in battery mode
Waveform	Sinusoidal
Power factor	1
Total harmonic distortion (THDv)	$\leq 1\%$ (linear load); $\leq 4\%$ (non-linear load)
Crest factor	3:1
Overload	102% ~ 110% for 10 min, 110% ~ 125% for 1 min, 125% ~ 150% for 30 s
BATTERIES	
DC voltage	192 Vdc (192~240 Vdc settable)
Number of battery	16 pcs (16 ~ 20 settable)
Inbuilt battery (standard model)	12 V / 9 Ah \times 16
Charging current	Standard model: 1 A; Long time model: 5 A (default), 1 ~ 5 A settable; 12 A (optional)
Recharge time	Standard model: 90% capacity restored in 8 hours; Long time model: depend on the capacity of battery
SYSTEM	
Efficiency	$\geq 94\%$ at 100% load, max. 94.5% at 60% load, $\geq 98\%$ in ECO mode
Transfer time	0 ms
Protections	Short-circuit, overload, overtemperature, battery low voltage, overvoltage, undervoltage and fan failure
Max. number of parallel connections	4
Communications	RS232 (standard), USB / RS485 / dry contacts / SNMP / battery temperature compensation (optional)
Display	LCD + LED
OTHERS	
Operating temperature	0°C ~ 40°C
Storage temperature	-25°C ~ 55°C (without battery)
Relative humidity	0 ~ 95% (non-condensing)
Altitude	≤ 1000 m, derating 1% for each additional 100 m
IP rating	IP 20
Noise level at 1 m	≤ 58 dB
Dimensions (W \times D \times H) (mm)	440 \times 580 \times 88 (H) 440 \times 660 \times 176 (S)
Packaged dimensions (W \times D \times H) (mm)	514 \times 696 \times 168 (H) 554 \times 792 \times 418 (S)
Net weight (kg)	14 (H), 63 (S)
Gross weight (kg)	16 (H), 73 (S)



- S means standard model; H means long time model.
- All specifications are subject to change without notice.