

Durable Series

For data centers and mission critical systems

DS-E33 II is the high performance three-phase on-line UPS, especially the output power factor up to one.

Adjustable battery numbers is effectively to extend the backup time to critical devices. Suitable for Laser printer and ultrasound system load.

DS-E33 II 10-200K

Features

- Digital Signal Processor(DSP) Design
- Output PF 1
- Adjustable Charging current
- Optional Parallel-operation Function
- High Overload Capability 110% for 60mins
- Touchable LCD display
- Adjustable Battery Configuration 32 to 40pcs
- Generator compatible
- Active Power Factor Correction to improve the efficiency of Input
- SNMP+USB+RS-232 multiple communications

Specifications

Model Name	DS10KE33 II	DS20KE33 II	DS30KE33 II	DS40KE33 II	DS60KE33 II	DS100KE33 II	DS120KE33 II	DS180KE33 II	DS200KE33 II
Topology	True On-line, Doudle Conversion, Low Frequency								
On-battery output Waveform	Pure Sine Wave								
Maximum Capacity	10KVA / 10KW	20KVA / 20KW	30KVA / 30KW	40KVA / 40KW	60KVA / 60KW	100KVA / 100KW	120KVA / 120KW	160KVA / 160KW	200KVA / 200KW
INPUT									
Phase	3 Phase with Neutral & Ground								
Nominal Voltage	L-N: 220/230/240 Vac L-L: 380/400/415 Vac								
Voltage Range	L-N: 176-276 Vac L-L: 305-478 Vac								
SYNC Frequency Tracking range	50/60 ±4Hz								
Power Factor	≥0.99 at 100% Load								
Battery Voltage	± 120V	± 192V (Default 16+16, Settable for 32-40pcs 12Volt battery)							
Charging Voltage	± 136.5 VDC ± 1%	± 13.65 VDC×N ± 1% (N = 16~20)							
Settable Charging Current	12A				18A	36A		54A	
OUTPUT									
Phase	3φ4W+GND								
Voltage	L-N: 220/230/240 Vac±1% L-L: 380/400/415 Vac ±1%								
Frequency	50/60 Hz±1%								
Wave form	Sine wave, THD<2% at linear load, THD<5% at non-linear load								
Switch time	0ms (AC Mode to Battery Mode & Inverter to Bypass)								
Current Crest Ratio	3:1								
Overload capacity	100-110% of rated load last for 60 mins, 110-125% of rated load last for 10 mins, 125-150% of rated load last for 1 mins								
EFFICIENCY									
AC Mode	95.5%								
Inverter Mode (Battery Mode)	94.5%								
RROTECTIONS									
Maintenance switch	Maintenance switch with no switch time (Option)								
Start-up	provided with DC start up function								
Protect function	Output short circuit, Overload, Over-temperature, battery low voltage, Output over/low voltage								
ADVANCED WARNINGS / DAGNOSTICS									
LCD display	Input voltage/ Frequency, Output voltage, Battery voltage, Load, etc.								
LED display	Work status of UPS and fault indication								
Alarm function	Overload, Low battery, Overload, Failure								
Battery test function	Yes								
COMMUNMENTAL									
Standard Communication function	USB / RS232								
Optional Communication function	SNMP / RS485 / Dry Contact (Standard for 10/20K model)								
ENVIRONMETAL									
Noise (dB@ 1 meter)	<55	<58	<65	<70	<65	<75			
Operating Temperature	0~40°C								
Relative Humidity	0~95%, No condensation								
PHYSICAL									
Dimension (Physical / W×D×H)	626×250×750 mm		815×300×1000 mm		815×300×1000 mm	830× 514×1200 mm	974×600×1600 mm		
Weight (Net)	28Kg	43Kg	60Kg	61Kg	109Kg	187Kg	286Kg	286Kg	382Kg

Specifications are subject to change without notices.

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