DS-UPSxxKxx-R/TS (1-3KVA)
Online UPS





- Double conversion on-line design with input power factor correction (PFC) technology, achieving an input power factor of up to 0.99.
- Digital control system for enhanced stability and reliability.
- ECO operation mode for improved energy efficiency and reduced user costs.
- Three-stage charging: constant current charging, constant voltage charging, and floating charging stages are intelligently managed.
- Wide voltage input and frequency range for stable operation with different electrical scenario, and suit with various fuel generators.
- Comprehensive protections including output overload, output short-circuit, over-temperature, battery under-voltage warning, battery over-charging protection, and power-on self-diagnostic function;

▪ Specification

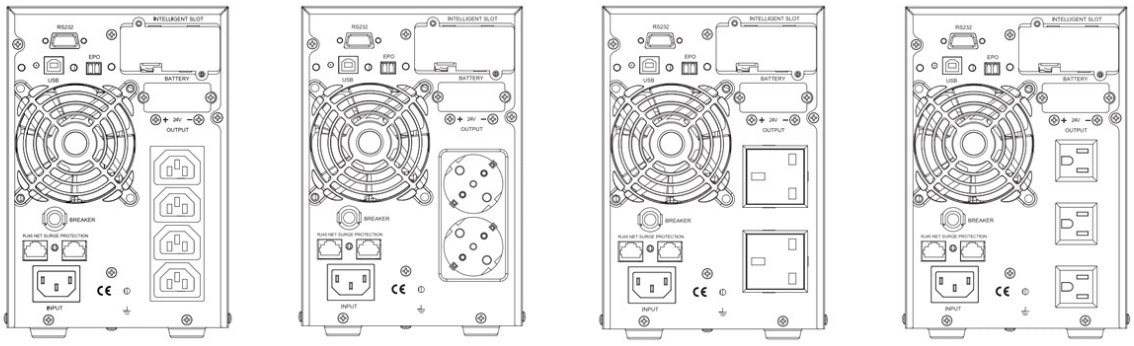
Model		DS-UPS01K24-R/TS	DS-UPS02K48-R/TS	DS-UPS03K72-R/TS
Power	Capacity	**1000VA/900W**	**2000VA/1800W**	**3000VA/2700W**
Input	Nominal Voltage	208/220/230/240Vac		
	Input Voltage Range	110~300Vac (176~264Vac @ 100% load)		
	Input Frequency	40~70Hz (50/60Hz Auto-Sensing)		
	Phase	Single Phase		
	Power factor	≥0.99		
Output	Output Voltage	208/220/230/240Vac		
	Output Waveform	Pure Sinewave		
	Power factor	0.9		
	Output Sockets	IEC panel / EU panel/UK panel/US panel Optional		
	Output Frequency	Online mode: 46~54Hz or 56~64Hz Bat. Mode: (50/60±0.1%)Hz		
	Crest factor	3:1		
	Harmonic distortion (THDv)	≤3% Linear load ≤5% Non linear load		
	Transfer Time	AC mode to Bat.mode: 0ms Inverter to Bypass: 4ms (Typical)		
Battery	Battery Type	Valve Regulated Lead Acid (VRLA)		
	Typical Recharging Time	4 hours (To 90% of full capacity)		
	Capacity (Standard Unit)	12V/9Ah		
	Battery Number	2	4	6
	DC System Voltage (VDC)	24V	48V	72V
	Charging Current (Max.)	1A		
	Expandable Runtime	Yes, External battery pack: DS-UPSB0924B-R/TC	Yes, External battery pack: DS-UPSB0948B-R/TC	Yes, External battery pack: DS-UPSB0972B-R/TC
Indicator	LCD display	Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time		
	Alarm	Battery mode/Battery low voltage /Overload/Fault		
Efficiency	AC Mode	89%	91%	92%
	Battery Mode	85%	87%	88%
Environment	Operating Temperature	0°C~40°C		
	Storage Temperature	-25°C~55°C		
	Humidity Range	20~95%RH @ 0~40℃ (Non condensing)		
	Altitude	<1500m, derating required when>1500m		
	Noise Level	<55dB at 1 Meter		

Physical	Dimension W x D x H (mm)	144 x 293 x 209	191 x 460 x 337	191 x 460 x 337
	Net weight (kg)	9.3	19.5	24.5
Standards	Safety	CE-LVD IEC/EN 62040-1, IEC/EN 62477-1		
	EMC	CE-EMC IEC/EN 62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8		
	Environment	CE-RoHS; WEEE; REACH		

▪ Physical Interface

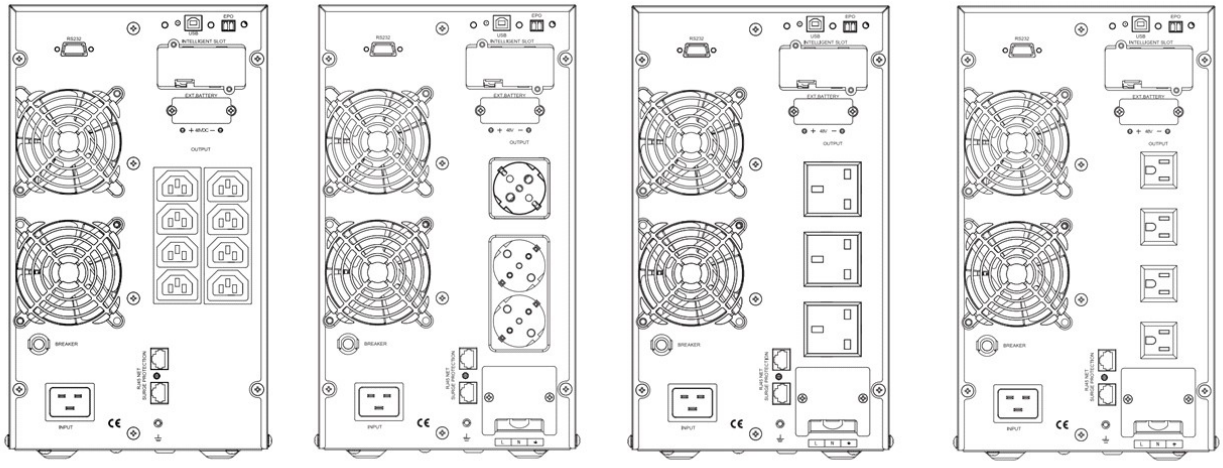
Rear panel:

DS-UPS01K24-R/TS



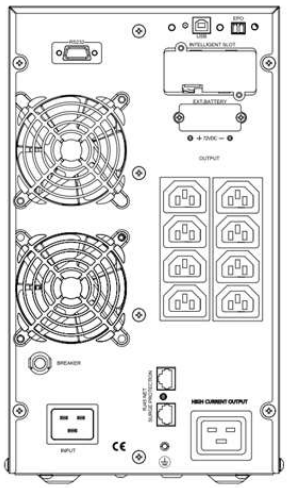
IEC Version EU Version UK Version US Version

DS-UPS02K48-R/TS

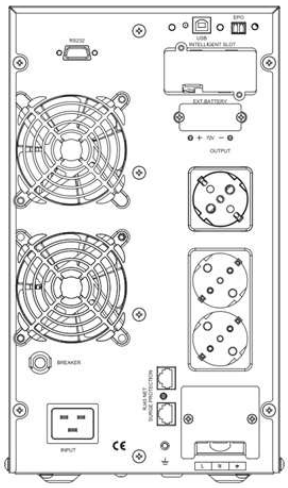


IEC Version EU Version UK Version US Version

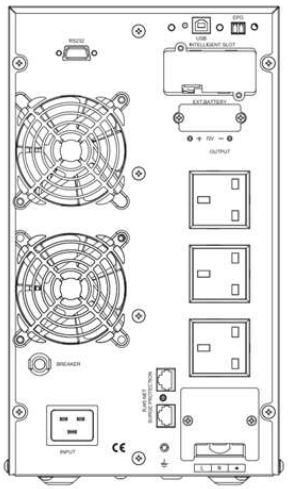
DS-UPS03K72-R/TS



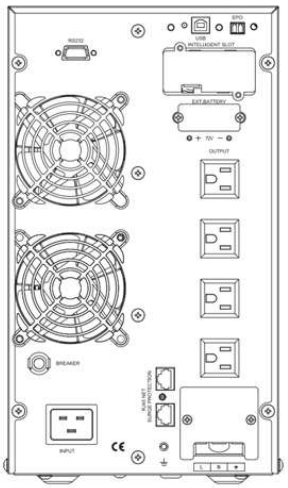
IEC Version



EU Version



UK Version



US Version

See Far, Go Further

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