DS-UPS06K-R/TJL , DS-UPS10K-R/TJL
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

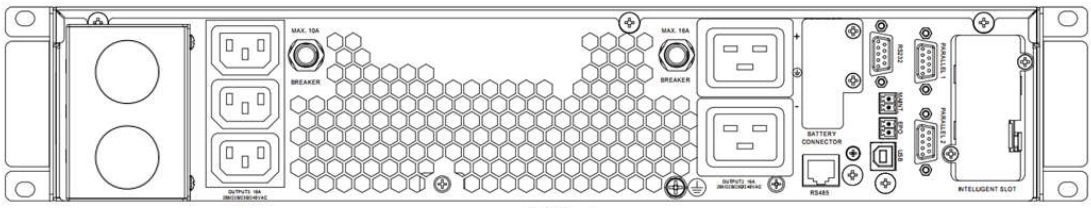
Model		DS-UPS06K-R/TJL	DS-UPS10K-R/TJL
Power	UPS Capacity	6000 VA / 6000 W	10000 VA / 10000 W
Input	Nominal Voltage	208/220/230/240Vac	
	Phase	Single Phase	
	Input Voltage Range	110~300Vac (110~300Vac@50% load/176~300Vac@100% load)	
	Input Frequency	40~70Hz (50/60Hz Auto-Sensing)	
	Power factor	≥0.99	
Output	Output Voltage	208/220/230/240Vac	
	Crest factor	3:1	
	Power factor	1	
	Output Sockets	IEC version: Connecting terminal +IEC socket US version: Connecting terminal+US socket panel	
	Output Frequency	Online mode：±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional) Battery mode: (50/60±0.1%)Hz	
	Harmonic distortion (THDv)	≤1% Linear load ≤3% Non linear load	
	Transfer Time	AC mode to Bat.mode: 0ms Inverter to Bypass: 0ms	
	Output Waveform	Pure Sinewave	
Battery	Battery Type	Valve Regulated Lead Acid (VRLA)	
	DC System Voltage (VDC)	192/240Vdc (Settable)	
	Charging Current (Max.)	12A	15A
	Expandable Runtime	Yes, External battery pack: DS-UPSB09192A-R/TJ , or DS-UPSB09240A-R/TJ	
Indicator	Alarm	Battery mode/Battery low voltage/Overload/Fault	
	LCD display	Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time	
Efficiency	AC Mode	Up to 95%	Up to 95.5%
	Battery Mode	Up to 93%	Up to 93.5%
Environment	Operating Temperature	0℃ ~ 40℃	
	Storage Temperature	-25℃ ~ 55℃	
	Humidity Range	0~95% (Non - condensing)	
	Altitude	＜1000m, derating required between 1000~3000m	
	Noise Level	≤50dB	
Physical	Dimension W x D x H (mm)	440×621.5×86.5	
	Net weight (kg)	15.5	17
Standards	Safety	CE-LVD IEC/EN 62040-1, IEC/EN 62477-1 UL 1778: 2014 R4.23, CSA C22.2 NO. 107.3-14 + GI1	
	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, IEC61000-4-11, IEC61000-2-2)
	Environment	CE-RoHS; WEEE; REACH

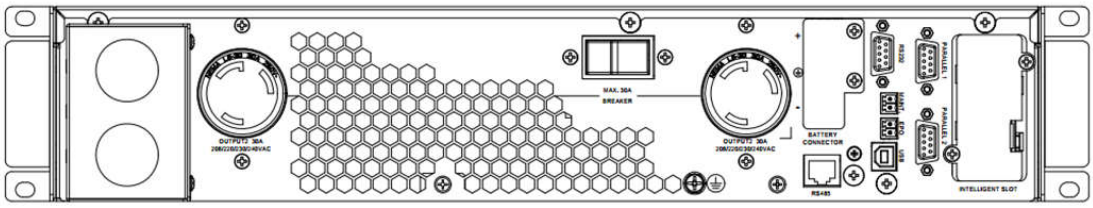
▪ Physical Interface

Rear panel:

DS-UPS06K-R/TL
DS-UPS10K-R/TL



IEC Version



US Version

See Far, Go Further

www.hikvision.com
support@hikvision.com

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