

HE 6K-10K IoT Series

Features

- DSP Control
- Parallel Redundancy up to 3 units
- Output PF 1.0 provide maximum power in compact size
- Wide Input Range 110-300VAC
- Online efficiency up to 95%, ECO up to 98%
- Frequency Converter Mode
- Input THDI < 5%
- Output THDv < 1% linear load
- Auto Self-Testing System
- Digital charger:0-4A adjustable / 0-12A adjustable
- Battery q'ty adjustable 16/17/18/19/20 per string
- Automatic detect additional EBM quantity for simplify
- 125% overload for 10 minutes
- Multiple Communication Port
- Wide operating environment 0-50 celsius
- Dot matrix LCD support up to 10 languages
- Mobile APP for monitoring, configuration, Support Android/IOS
- USB HID enable monitoring on UPS without software installation
- Build-in Maintenance Bypass Switch and Cabinet Wheel
- IP protection level: IP20
- Built-in Over Voltage Cut-Off device (OVCD) for Tough environment, fan lock detection, overtemp, overload warning to enhance the product reliability
- WLAN module for IoT connection, wireless connection (WIFI dongle) as optional
- Embedded Ethernet port solution for safe network connection to Cloud with IoT features trend



New full range HE IoT series, built for the most reliability, purity and power

HE IoT series UPS is the high density, true online double conversion on-line power protection for IT and OT application. Capable of supporting load from 1 to 20KVA in a compact tower and RT (rack-tower) form.

These latest range of UPS comes with future-proof connectivity design having the capability to connect to Cloud seamlessly to allow the monitoring of the UPS online through any internet connected device. To ensure users information is safe and protected, these connectivity is compliant with IEC standard cybersecurity.

- Easy to setup the Safe connection to Cloud
- E2E Cybersecurity and GDPR and IEC 62443 certificated device for IoT
- Connect to Cloud through MQTT protocol (the most widely used to IoT protocol)
- Real time health monitoring on the equipment to enable business continuity and failure prevention
- Remote monitoring, scheduled maintenance and UPS firmware upgrade *launched soon
- Reduce the responsive time on product failure as Cloud push the exact information to end user and service people at the same time.

Product Information

HE 6K-10K IoT Series



MODEL		HE-6K-IoT	HE-10K-IoT	HE-Combo-10KS-31-IoT
CAPACITY	VA/WATT	6KVA/6KW (PF1.0)	10KVA/10KW (PF1.0)	
INPUT	Voltage Range	110 - 300 VAC		
	Frequency Range	50 Hz ± 10% (Auto sensing)		
	Phase	Single phase with ground	Single/Three phase selectable	
	Current THDI	<3% @ 100% R Load	<30% @ 100% R Load	
	Power Factor	≥ 0.99		
	Generator Input	2 x UPS Rating Power		
OUTPUT	Voltage Range	200/208/220/230/240 VAC ± 1%		
	Phase	Single phase with ground		
	Frequency (Synchronized Range)	50 Hz ± 10%		
	Frequency (Battery Mode)	50 Hz ± 0.1%		
	Current Crest Ratio	3:1		
	Harmonic (THDv)	< 1% THD (@ 100% Linear Load), < 5% THD (@ 100% Non-linear Load)		
	Protection	Short Circuit Protection		
	Output Waform	Pure Sinewave		
	Outlet	Terminal Type		
	Overload Capacity	Line Mode	Continuous @ 100%~105% ; 10 mins @ 105% ~ 125% ; 30 secs @ 125%~ 150% ; 500 ms @ > 150%	
Battery Mode		Continuous @ 100%~105% ; 1 mins @ 105% ~ 125% ; 30 secs @ 125%~ 150% ; 500 ms @ > 150%		
EFFICIENCY	AC Mode / Battery Mode	> 95% / >93%		
	ECO mode	> 98%		
BATTERY	Number of Batteries Per String	16-20 adjustable		
	Battery Capacity (Ahr)	Depending on the capacity of external batteries		
	Backup Time (depend on load)			
	Recharge Time (to 90%)			
	Charging Current (Max.)	12A adjustable		
Battery Type	Sealed Lead Acid Maintenance Free			
TRANSFER TIME	AC to DC	Zero		
INDICATOR	LCD	Input information: Voltage/Frequency/Ambient Temperature/Utility Present/Utility Lost, Output information: Voltage/Frequency/DC BUS/Utility Present/Utility Lost, Load Information: %Watt/%VA/Current(A)/Overload/Short Circuit/Load Level, Battery Information: Voltage/Battery Level/Low/Backup time/Remaining time/Charging status/EBM status/Over charging/Discharging, Mode information: UPS status/Event log/Measurements/Control/Settings/Identify/Mode icon		
AUDIBLE ALARM	Battery Mode	Sounding every 4 seconds		
	Low Battery	Sounding every second		
	Overload	Sounding twice every second		
	Fault	Continuously Sounding		
DIMENSION	W x H x D mm	220x589x492	220x589x492	220x589x492
WEIGHT	kg	57.9 ex.bat	58.2 ex.bat	59.5 ex.bat
ENVIRONMENT	Operating Environment	0-50° C		
	Relative Humidity	0-95% (NON-CONDENSING)		
	Noise Level	<50dB @ 1 Meter	<55dB @ 1 Meter	
INTERFACE *build-in	RJ45 (Ethernet),WLAN *	Free Mobile App support IoT, Android connect to GDPR IEC 62443 compliance Cloud service for IoT solution		
	USB & RS-232 *	Software supports Windows Family, Linux, Sun Solaris, IBM AIX, Compaq True64, SGI IRIX, FressBSD, HP-UX and MAC		
	Others interfaces *	RJ45 for EBM & Li-Ion battery type detection; EPO Dry In & Dry out contract for various external H/W control		
	Intelligent Slot (Option)	For an install an optional SNMP Adapter/ AS400 Relay Card / RS485 / USB		
INTERNATIONAL STANDARDS	CE	Low Voltage Directive (Safety): EN62040-1-1 EMC Directive: EN62040-2, EN61000-2-2, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8		

Specification are subject to change without prior notice.



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