HE 6K-10K IoT Series

Features

Parallel Redundancy N+X
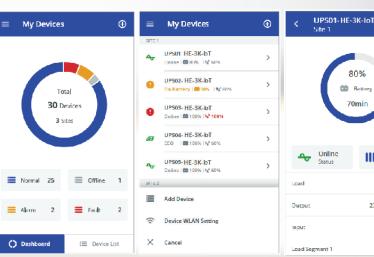
- DSP Control
- Parallel Redundancy up to 3 units
- Output PF 1.0 provide maximum power in compact size
- Wide Input Range 110-300VAC
- Online efficiency up to 95%, ECO up to 98%
- Frequency Converter Mode
- Input THDI < 5%
- Output THDv < 1% linear load
- Auto Self-Testing System
- Digital charger:0-4A 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 celsious
- 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 capabilty 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 Clound
- E2E Cybersecurity and GDPR and IEC 62443 certificated device for IoT
- Connect to Cloud through MQTT protocal (the most widely used to IoT protocol)
- Real time health monitoring on the equipment to enable business continuity and failure prevention
- Remote monitoring, scheduled manitenance and UPS firmware upgrade *lauched 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
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	
	Current THDI	<3% @ 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 (Synchonized 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%	
	Overload Capacity — 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
WEIGHT	kg	57.9 ex.bat	58.2 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 IoS, 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	
	Inteligent 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.