HE 1K-3K IoT Series

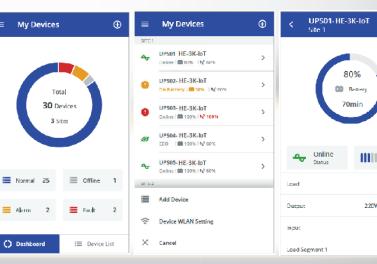


Your Smart choice for UPS

Features

- DSP Control
- Output PF 1.0 provide maximum power in compact size
- Wide Input Range 110-300VAC
- Online efficiency up to 93%, ECO up to 97%
- 125% overload for 3 minutes
- Frequency Converter Mode
- Input THDI < 5%
- Output THDv < 1% linear load
- Auto Self-Testing System
- Intelligent 2-stage charging & temperature compensated
- Automatic detect additional EBM quantity for simplify
- Fan Speed Control
- Low audible noise at typical load
- Multiple Communication Port
- Wide operating environment 0-45 celsious
- Dot matrix LCD support up to 8 languages
- Embedded Ethernet port solution for safe network connection to Cloud with IoT features trend
- WLAN module for IoT connection, wireless connection (WIFI dongle) as optional
- Mobile APP Winpower View for monitoring Support Android/IOS
- USB HID enable monitoring on UPS without software installation
- 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







HE-2K/3K-IoT

HE-1K-IoT

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

HE lot 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 Cloud
- 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 1K-3K IoT Series

MODEL			HE-1K-loT	HE-1KS-loT	HE-2K-loT	HE-2KS-loT	HE-3K-loT	HE-3KS-loT	
CAPACITY	VA/WATT		1KVA/1K	W (PF1.0)	2KVA/2K	W (PF1.0)	3KVA/3KV	V (PF1.0)	
INPUT	Voltage Range		110 - 300 VAC						
	Frequency Range		50 Hz ± 10% (Auto sensing)						
	Phase		Single phase with ground						
	Current THDI		<5%						
	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 Pange)		50 Hz ± 10%						
	(Synchonized Range) Frequency (Battery Mode)								
	Current Crest Ratio		3:1						
	Harmonic (THDv)		< 1% THD (Linear Load), < 5% THD (100% Non-linear Load)						
	Protection		Short Circuit Protection						
	Output Waform		· ·						
	Outlet		Pure Sinewave 4 x Thai Universal 8 x Thai Universal and 1 x H/W terminal						
	Outlet	Line Mede							
	Overload Capacity	Line Mode Battery	Continuous @ 100%~105%; 5 mins @ 105% ~ 125%; 30 secs @ 125%~ 150%; 500 ms @ > 150% Continuous @ 100%~105%; 2 mins @ 105% ~ 125%; 10 secs @ 125%~ 150%; 500 ms @ > 150%						
		Mode	Continu	ous @ 100%~105%	; 2 mins @ 105%	~ 125% ; 10 secs @ ?	125%~ 150% ; 500	ms @ > 150%	
EFFICIENCY	AC Mode / Battery Mode						93% / 89%		
	ECO mode Number of Batteries		> 96%			> 9	17%		
BATTERY	Per Set	i balleries	3	Depending	6	Depending	6	Depending	
	Battery Capacity (Ahr)		12V/(7/9)Ahr	on the capacity of external batteries	12V/(7/9)Ahr	on the capacity of external batteries	12V/(7/9)Ahr	on the capacity of external batteries	
	Backup Time (depend on load)		>15 min		>15 min		>15 min		
	Recharge Time (to 90%)		3 Hours		3 Hours		3 Hours		
	Charging Current (Max.)		1.5A	8.0A adjustable	1.5A	8.0A adjustable	1.5A	8.0A adjustable	
	Battery Type		Sealed Lead Acid Maintenance Free						
TRANSFER TIME	AC to DC		Zero						
NDICATOR	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 ico						
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		145 x 220 x 400 192 x 318 x 424						
WEIGHT	kg		12.8	6.4 ex.bat	26	11 ex.bat	26.4	11.4 ex.bat	
ENVIRONMENT	Operating Environment		0-45° C						
	Relative Humidity		0-95% (NON-CONDENSING)						
	Noise Level		<40dB <45dB <46dB <45dB <46dB					<46dB	
INTERFACE *build-in	RJ45 (Ethernet) /WLAN *		Free Mobile App support IoS, Android connect to GDPR IEC 62443 compliance Cloud service for IoT solution						
	USB 2.0(HID) & 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-lon 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						
NTERNATIONAL	CE (EMI/E	EMC)	Conduction/Radi ESD:IEC/EN 610						

Specification are subject to change without prior notice.









