

NEW

VFI 1k-10k LICR IoT

SKU: 10122255 - 58 & 10122282 - 84 + 10134077

Applicable Sector



Retailer



Data Center



Office



Medical



VFI LICR IoT On-Line 1 Phase



More than 9 min
Backup Time



Power Factor



Lithium Battery

- Output power factor 1.
- Industry-leading BMS reliability.
- Built-in cloud connection.
- Lower TCO than lead acid.

- Compact 2U UPS + 1U for 1-3k & 2U EBM 6-10kVA design.
- Level 3 LFP lithium battery system with advanced BMS.
- Long backup time with up to 4 EBM for 1-3k, and up to 8 EBM for 6-10k UPS automatically detected.

LICR Lithium UPS Advantage

Key Features	LICR IoT RT 1-3K Li ion UPS	LICR IoT RT 6-10K Li ion UPS	Advanced Features Compared to Competitor Product	Customer Benefits
PF	1		11% more power supply than competitor offer	Support plus 11% load
Efficiency	up to 94%	up to 95%	2% higher efficiency than competitor offer	Save more electricity expense
Advance BMS and Li-ion Battery PACK	Level 3 BMS synchronization with UPS (Pre-alarm capacity / health prediction, Multi level protection, etc.)		<ol style="list-style-type: none"> 1. Safety/reliability improved 30%. 2. Prediction to reduce down-time lost 20%. 	<ol style="list-style-type: none"> 1. More charge discharge cycle and longer life, to save 1 time battery replacement (battery expense and service saving) 2. Reduce 1 time downtime lost and MTBF. 3. Reduce potential safety risk.
	Advance internal cell / pack / EBM balancing and protection.		<ol style="list-style-type: none"> 1. Ensure backup time and eliminate abnormal down-time lost. 2. Ensure battery cell/pack life. 	
	All-in-One design with auto addressing 1U Li-ion EBM.	All-in-One design with auto addressing 2U Li-ion EBM.		<ol style="list-style-type: none"> 1. Space saving. 2. Easy configuration for start-up and service.

*Outlet Types: IEC





Screen Details

PowerWalker VFI 1k-10k LICR IoT features a lower total cost of ownership compared to lead acid solutions, with a built-in lithium battery that synchronizes with the UPS, ensuring capacity and external balancing. It offers extended backup time with up to 4 (1-3k) and 8 (6-10k) optional EBMs, automatically detected for seamless integration.

Its compact design combines a 2U UPS with a 1U EBM (1-3k) and 2U EBM (6-10k), enabling flexible rack or tower installation with a rotatable LCD panel. The UPS provides multiple connectivity options including USB, RS232 port, dry contacts, RPO & ROO connectors, and optional SNMP, along with a built-in Ethernet port for cloud connection.

Model	VFI 1k LICR IoT	VFI 1.5k LICR IoT	VFI 2k LICR IoT	VFI 3k LICR IoT	VFI 6k LICR IoT	VFI 8k LICR IoT
Power Capacity	1000 VA / 1000 W	1500 VA / 1500 W	2000 VA / 2000 W	3000 VA / 3000 W	6000 VA / 6000 W	10000 VA / 10000 W
Input						
Input Voltage Range	110 ~ 300 V				110 ~ 276 V	
Frequency Range	45 ~ 55 Hz / 54 ~ 66 Hz					
Input Wiring	Single Phase with ground					
Input PF	0.99					
Current Distortion (THDi)	< 5% @ full load				< 3% @ full load	
Output						
Output Power Factor	1					
Nominal Output Voltage	200 / 208 / 220 / 230 / 240 V				208 / 220 / 230 / 240 V	
Voltage Regulation	± 1%					
Frequency Range (Battery Mode)	50 / 60 ± 0.2 Hz				50/60 ± 0.1 Hz	
Current Crest Ratio	3 : 1					
Voltage Distortion (THDv)	< 1% @ Linear Load, < 5% @ Non-Linear Load					
Output Waveform	Pure Sine Wave					
Parallel Operation	No				Yes, up to 3	
Efficiency						
Inverter Mode	91% max	92% max	93.5% max	94% max	95% max	
ECO Mode	96%	97%				
Transfer Time						
Battery Mode to Inverter Mode	0 ms					
Inverter Mode to Bypass Mode	4 ms				0 ms	
ECO Mode to Battery Mode	< 10 ms					
Dimension						
UPS: (D×W×H) [mm]	445 × 438 × 86.5		608 × 438 × 86.5		573 × 438 × 86	
EBM (External Battery Module): (D×W×H) [mm]	445 × 439 × 43		608 × 439 × 43		600 × 438 × 86 mm	
Environment						
Operating Temperature	0 ~ 40°C				0 ~ 50°C	
Noise Level	< 40dB @ 1 Meter		< 45dB @ 1 Meter		<50dB @ 1 Meter	
Interface						
Display	DOT-MATRIX LCD					
RS232/USB	Yes, USB HID					
External Slot	Yes, 1 slot for network card, Modbus card or dry contact card					
Dry Contact	Dry in and dry out, programable					
Emergency Power Off	Yes					
Ethernet Port	Build in ethernet port support direct cloud connection or local network connection					
W-LAN Connection	Optional					
Certification	CE; IEC62619 for lithium battery; IEC62040 for UPS					