PowerHub

Reliable Online UPS

Powering Today's Critical Infrastructure



Elite V RT Li UPS

Next-Generation UPS for Smarter Power Protection

The PowerHub Elite V RT Li Series delivers reliable online double-conversion power protection for mission-critical applications. Configurable for either VRLA or Lithium batteries, it combines intelligent monitoring, flexible communications and a compact rack/tower design for greater deployment flexibility.

VRLA & Lithium Compatible

Supports either VRLA or Lithium batteries for flexible deployment and easy integration.

Smart Touchscreen Control

Intuitive 3.5-inch touchscreen for real-time monitoring and simplified operation.

Flexible Communications

Supports SNMP, USB, RS232, RS485 and Dry Contact connectivity.

Reliable Power Protection

Online double-conversion technology ensures continuous, clean and stable power.

Battery Management

Configurable battery self-checks and discharge protection for reliable performance.

Comprehensive History Logging

Built-in event logging enables faster troubleshooting and simplified maintenance.

ONE UPS
Two Battery Technologies



Lithium EBP (2U Height)

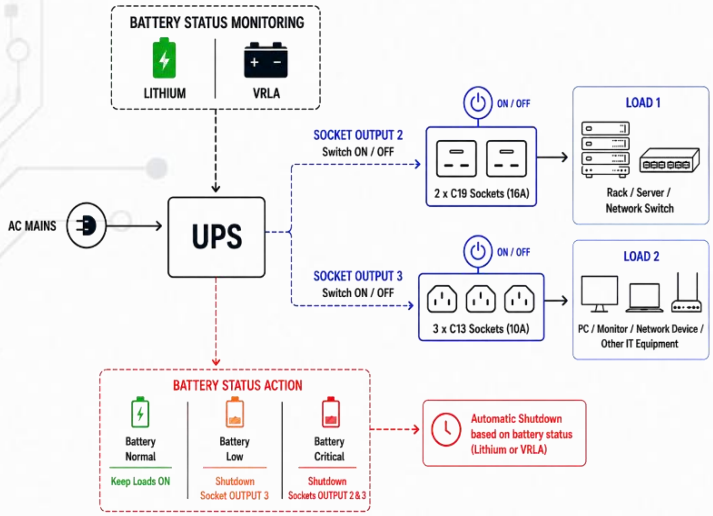


VRLA EBP (3U Height)

The Elite V RT Li UPS supports both VRLA and Lithium battery technologies, with battery selection easily configurable through the intuitive touchscreen display. This provides the flexibility to use VRLA batteries today while preserving the option to upgrade to Lithium battery technology in the future without replacing the UPS.

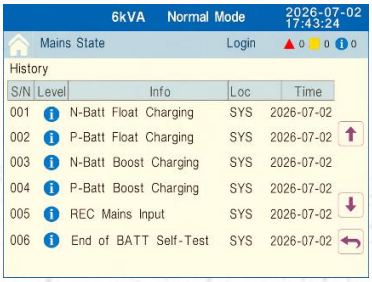


Smart Output Socket Control



The Elite V RT Li UPS features programmable output sockets that can be individually controlled through the touchscreen display for manual ON/OFF switching or automatic load management. Configurable battery thresholds allow the UPS to automatically disconnect non-critical loads at preset battery levels, maximizing backup runtime for critical equipment and improving overall power continuity.

Comprehensive History Logging



Stores up to 192 alarm, event and fault records with detailed information and timestamps, accessible through the touchscreen display. This provides greater visibility into UPS operation, simplifies troubleshooting and improves maintenance efficiency.

✓ Alarm History ✓ Event Log ✓ Fault Records

Designed for Reliable Operation

Built-in Automatic Bypass
Maintains uninterrupted power during UPS faults.

Emergency Power Off (EPO)
Instantly shuts down connected loads during emergencies.

Rack/Tower Convertible
Supports flexible rack or tower installation to suit diverse deployment environments.

Wide Input Voltage Range
Operates reliably across a wide 110–300 VAC input range.

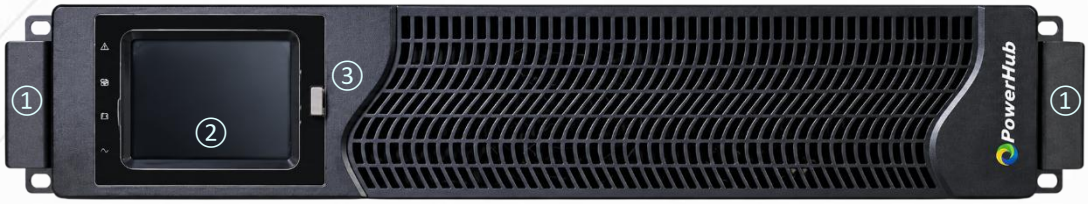
Cold Start function
Starts directly from battery power during utility power outages. *(Only for VRLA battery configuration)

ECO Mode
Enable ECO Mode to achieve up to 99% operating efficiency during stable mains conditions, delivering energy savings without compromising power protection.

Front & Rear Panel Overview

Elite V RT Li 6/10kVA UPS

Front View



Rear View



No.	Front Panel
①	Metal Bracket
②	LCD Panel
③	Cold Start Button

No.	Power Connections
④	Input & Output1 Terminal
⑤	Output3 Socket C13 x 3
⑥	Output2 Socket C19 x 2
⑦	Output3 Breaker
⑧	Output2 Breaker
⑨	Battery Terminal

No.	Communication
⑩	RS232 Port
⑪	Parallel Port
⑫	Intelligent Slot 1
⑬	MAINTAIN-AUXSWS Port
⑭	EPO Port
⑮	USB Port
⑯	RS485 Port
⑰	COM Port
⑱	Intelligent Slot 2

Recommended Applications

DATA CENTRES

TELECOMMUNICATIONS

BANKING & FINANCE

INDUSTRIAL AUTOMATION

MEDICAL FACILITIES

IT & SERVER ROOMS

TECHNICAL SPECIFICATIONS

PowerHub Elite V RT Li Series





UPS MODEL		Elite V RT Li 6K-SS (Ext)	Elite V RT Li 10K-SS (Ext)
UPS SYSTEM			
Capacity		6000VA / 6000W	10000VA / 10000W
INPUT			
Nominal Voltage (Vac)		208/220/230/240	
Operating Voltage Range (Vac)		110~300 (176~300 @ 100% load)	
Input Connection		HW terminal (L+N+G)	
Harmonic Distortion (THDi)		<2%	
Frequency Range		40~70Hz	
OUTPUT			
Output Voltage (Vac)		208/220/230/240 ±1%	
Power Factor		1.0	
Output Connection		Programmable: C19*2 + C13*3; Non-Programmable: HW Terminal	
Output Frequency	Online Mode	±1% / ±2% / ±4% / ±5% / ±10% of the rated frequency (optional)	
	Battery Mode	50/60Hz ± 0.1%	
Crest Factor		3:1	
Harmonic Distortion (THDv)		<1% Linear load ; <3% Non-linear load	
Transfer Time (ms)		AC Mode to Batt. Mode: 0 Inverter to Bypass: 0	
Overload	Online Mode	≤110%: 60mins; ≤125%: 10mins; ≤150%: 1min; >150%: turn to bypass mode immediately	
EFFICIENCY			
Efficiency (Online mode)		95%	95.5%
Efficiency (ECO mode)		98.8%	99%
BATTERY			
Battery Voltage (Vdc)	VRLA	192 (Default) /216/240 (Configurable)	
	Lithium	192	
Battery Capacity (Ah)	VRLA	5-200 (Configurable)	
	Lithium	12	
Charge current (Max)		12A	15A
PHYSICAL			
Dimensions (W x D x H)		440 x 621.5 x 86.5mm (2U)	
Net Weight (kg)		15	17
ENVIRONMENT			
Operating temperature		0°C~40°C	
Storage temperature		-25°C~55°C	
Humidity range		0~95%RH @0~40°C (Non condensing)	
Altitude		<1000m, derating required between 1000m to 3000m	
Noise level		<45dB	<50dB
STANDARDS			
Safety		EN IEC 62040-1: 2019 + A11:2021	
EMC		IEC 62040-2: 2016, EN IEC 62040-2: 2018, C2	
Performance		IEC 62040-3: 2021, EN IEC 62040-3: 2021	

EBP MODEL	EBP for Elite V RT Li 6-10KVA (VRLA)	EBP for Elite V RT Li 6-10KVA (Li)
BATTERY SYSTEM		
Battery Type	VRLA	LiFePO4
Typical Battery Recharge Time (hours)	4 (To 90% of full capacity)	2 (To 90% of full capacity)
System Voltage (Vdc)	192/216/240 Battery Quantity: 16/18/20pcs	192
Capacity (Ah)	7/9	12
ENVIRONMENTAL		
Operating Temperature	0°C~40°C	0°C~50°C
Humidity Range	0~95%RH @ 0°C ~ 40°C (non-condensing)	0~95%RH @ 0°C ~ 50°C (non-condensing)
Altitude	0 – 1000m (Normal Operation) 1000 – 3000m (Derating)	0 – 1000m (Normal Operation) 1000 – 3000m (Derating)
PHYSICAL		
Dimensions (W x D x H)	440 x 681.5 x 131mm (3U)	440 x 684 x 86.5mm (2U)
Net Weight (kg)	65	34
STANDARDS		
Safety	EN IEC 62040-1: 2019 + A11: 2021; UL 1778: 2014 R4.23, CSA C22.2 NO. 107.3-14 + GI1	ANSI/CAN/UL 1973:2022; IEC 62619:2022 (Li-ion battery cell: UL1642)
EMC	NA	EN IEC 61000-6-1:2019; EN IEC 61000-6-3:2021; BS EN IEC 61000-6-1: 2019; BS EN IEC 61000-6-3: 2021
Transport	NA	UN38.3

** Specifications are subject to change without prior notice*

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