

Victor 1U 6K UPS with 1U Lithium-ion battery module



- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction
- Output power factor 0.9
- Wide input voltage (110 V – 300 V)
- Converter mode available
- ECO mode for energy saving
- Generator compatible
- Smart SNMP and USB communication
- 10C high discharging rate on Lithium-ion battery module, high efficiency with 1U compact size
- Comprehensive display allows easy monitoring and access of UPS

Victor 1U Lithium Battery UPS Specification

MODEL		Victor 1U 6KL
PHASE		Single phase (L+N+PE)
CAPACITY		6000 VA / 5400 W
INPUT		
Nominal Voltage		208*/220/230/240VAC
Voltage Range		110-300VAC $\pm 3\%$ at 50% load; 176-300VAC $\pm 3\%$ at 100% load
Frequency Range		46~54Hz / 56~64 Hz
Power Factor		≥ 0.99 @ nominal voltage (100% load)
THDi		$\leq 4\%$ @100% load
OUTPUT		
Output Voltage		208*/220/230/240VAC
Voltage Regulation		$\pm 1\%$
Frequency Range (Synchronized Range)		46~ 54 Hz or 56 ~ 64 Hz
Frequency Range (Batt. Mode)		50 Hz or 60Hz ± 0.1 Hz
Current Crest Ratio		3:1(max.)
Harmonic Distortion		$\leq 2\%$ THD (Linear Load) / 4% THD (Non-linear Load)
Transfer Time	AC to DC	Zero
	Inverter to Bypass	≤ 4 ms (Typical)
Waveform (Batt. Mode)		Pure Sinewave
Overload	AC Mode	$100\% \leq \text{load} \leq 105\%$ Warning only; $105\% < \text{load} \leq 125\%$ 1min; $>125\%$: 1 sec
	Battery Mode	$100\% \leq \text{load} \leq 105\%$ Warning only; $105\% < \text{load} \leq 125\%$ 10 sec; $>125\%$: 1 sec
EFFICIENCY		
AC Mode		95% (max.)
Battery Mode		93% (max.)
BATTERY		
Nominal Voltage		192 VDC
Charging Current		1A, 2A, 4A (default), 6A
Charging Voltage		210 VDC $\pm 1\%$
Battery Connector		2 Poles (50A max.)
INDICATORS & COM		
LCD		Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators
Communication		USB, Communication Slot
Emergency Power Off (EPO)		YES
PHYSICAL		
Dimension, D x W x H (mm)		520 x 438 x 44
Net Weight (kgs)		9.8
EXTERNAL LITHIUM-ION BATTERY MODULE		
Model		LIO 192003
Nominal Capacity		LiFeO4 3.2V/3Ah
Nominal DC Voltage		192 VDC
Continuous Discharge Current		30A max.
Battery Connector		2 Poles (50A max.)
Com Ports		RS485 (Pack to UPS), CAN (pack to pack)
Capacity Extension		YES, max up to 3 packs
Backup Time		5400W @ 4 min. / 4800W @ 6 min.
Dimension, D x W x H (mm)		540 x 438 x 44
Net Weight		14.5
ENVIRONMENT		
Humidity		0-95 % RH @ 0- 40°C (non-condensing)
Altitude		0~2000 meters:without derating; 2000~3000 meters:derating 1% every 100meters; >3000 meters:not working
Noise Level		Less than 55dBA @ 1 Meter
MANAGEMENT		
USB		Supports Windows family, Linux, Unix, and MAC
Optional SNMP		Power management from SNMP manager and web browser

*Derate to 80% of capacity in Frequency converter mode
Product specifications are subject to change without further notice