

ONLINE UPS

RELIABLE POWER BACKUP
FOR SMART INFRASTRUCTURE



VOLTUS 100 Series 6KL-48V



Pure Sine
Wave Output



Intelligent
Microexperience
Control



Fast Charging
System



Overload & Short
Circuit Protection



Smart LCD
Display



FEATURES

- True double-conversion
- Pure Sine-wave output
- Output Power Factor 1.0
- Configurable charging current via LCD setting
- Compatible with Generator
- Cold Start capability
- Overload and short circuit protection
- Very powerful AC charger at 60A
- Optional parallel operation up to 9 units for Single Phase and Three Phase application
- Common 48Vdc battery pack for the parallel system
- Full Bridge inverter design to support half-wave load and unbalanced load

MODEL		5KL-48V
CAPACITY		6KVA
INPUT		
Voltage		220/230/240 VAC
Voltage Range		110-280 VAC @ 50% load ; 176-280 VAC @ 100% load
Frequency Range		46~54 Hz or 56~64 Hz
Power Factor		≥ 0.98 @ Nominal Voltage (100% Load)
THDi		$\leq 8\%$
OUTPUT		
Output Voltage		220/230/240 VAC
AC Voltage Regulation (Batt. Mode)		$\pm 1\%$
Frequency Range (Synchronized Range)		46~54 Hz or 56~64 Hz
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz
Current Crest Ratio		3:1
Harmonic Distortion		$\leq 3\%$ THD (Linear Load), $\leq 5\%$ THD (Non-linear Load)
Transfer Time	AC Mode to Batt. Mode	Zero
	Inverter to Bypass	4 ms (Typical)
Waveform		Pure Sinewave
EFFICIENCY		
Line Mode		93.0%
ECO Mode		99.5%
Battery Mode		91.0%
BATTERY		
Battery Voltage		48 VDC
Floating Charge Voltage		54.6 VDC
Overcharge Protection		66 VDC
Charging Current (max.)		60 A
INDICATORS		
LCD Panel		Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicator Via LCD
PHYSICAL		
Dimension, D x W x H(mm)		465 x 190 x 336
Net Weight (kgs)		15
Communication Interface		RS232 & USB
OPERATING ENVIRONMENT		
Humidity		0 to 95% Relative Humidity(Non-condensing)
Operating Temperature		0°C to 50°C
Storage Temperature		-15°C to 60°C

ESIS Power Energy reserves the right to modify these details at any time without prior notification.