

EXTREME POWER SYSTEM

10KVA – 60KVA · 3Ph-1Ph ONLINE UPS
Full Parameter Sheet

EPS-3PH1PH-SER
IES
REV 1.0

INPUT PARAMETERS

PARAMETER	SPECIFICATION
Phase Configuration	3 Phase + Neutral
Rated Input Voltage	380 / 400 / 415 VAC (3Ph)
Input Voltage Range	330V – 480V (3Ph)
Input Frequency	48 – 52 Hz
Input Power Factor	> 0.90 (PFC)

OUTPUT PARAMETERS

PARAMETER	SPECIFICATION
Phase Configuration	Single Phase + Neutral + Ground
Rated Output Voltage	220 / 230 / 240 VAC ±1%
Output Power Factor	0.8 (Lag)
Output Frequency	50 Hz
Waveform	Pure Sine Wave
THDv (Linear Load)	< 3%
THDv (Non-linear Load)	< 5%
Overload Capacity	110% – 150%: 30 sec / > 150%: 2 ms
Voltage Regulation	±1%

BATTERY

PARAMETER	SPECIFICATION
Battery Type	External Tubular & SMF
Battery Voltage	240V / 360V
Charge Current	Adjustable 1A – 12A
Recharge Time	< 8 hrs to 90% capacity
Battery Protection	Over Voltage / Under Voltage

GENERAL

PARAMETER	SPECIFICATION
Topology	True Double Conversion Online
Efficiency	Up to 96%
Transfer Time	0 ms (True Online)

PARAMETER	SPECIFICATION
Operating Temperature	0°C – 40°C
Humidity	5% – 95% (Non-condensing)
Communication	RS-232
Protection Class	IP20
Cooling	Forced Air (Variable Speed Fans)
Mobility	Heavy-Duty Caster Wheels

LCD DISPLAY — MONITORED PARAMETERS

NO.	PARAMETER DISPLAYED
1	Input Voltage & Frequency
2	Output Voltage & Frequency
3	Battery Voltage
4	Charging Current
5	Discharge Current
6	Input Current
7	Output Current
8	Load %
9	Battery %
10	Error Log

PRODUCT RANGE — AVAILABLE MODELS

MODEL	RATED POWER	OUTPUT (kW)	BATTERY VOLTAGE	TOPOLOGY
10 KVA	10 KVA	8.0 kW	240V	Online Double Conversion
15 KVA	15 KVA	12.0 kW	240V	Online Double Conversion
20 KVA	20 KVA	16.0 kW	240V	Online Double Conversion
15 KVA	15 KVA	12.0 kW	360V	Online Double Conversion
20 KVA	20 KVA	16.0 kW	360V	Online Double Conversion
30 KVA	30 KVA	24.0 kW	360V	Online Double Conversion
40 KVA	40 KVA	32.0 kW	360V	Online Double Conversion
50 KVA	50 KVA	40.0 kW	360V	Online Double Conversion
60 KVA	60 KVA	48.0 kW	360V	Online Double Conversion