

EXTREME POWER SYSTEM

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

EPS-1PH-SERIES
REV 1.0

INPUT PARAMETERS

PARAMETER	SPECIFICATION
Phase Configuration	Single Phase + Neutral
Rated Input Voltage	220 / 230 / 240 VAC
Input Voltage Range	170V – 280V
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	72V / 96V / 120V / 192V
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
3 KVA	3 KVA	2.4 kW	72V	Online Double Conversion
3 KVA	3 KVA	2.4 kW	96V	Online Double Conversion
5 KVA	5 KVA	4.0 kW	120V	Online Double Conversion
5 KVA	5 KVA	4.0 kW	192V	Online Double Conversion
6 KVA	6 KVA	4.8 kW	192V	Online Double Conversion
7.5 KVA	7.5 KVA	6.0 kW	192V	Online Double Conversion
10 KVA	10 KVA	8.0 kW	192V	Online Double Conversion