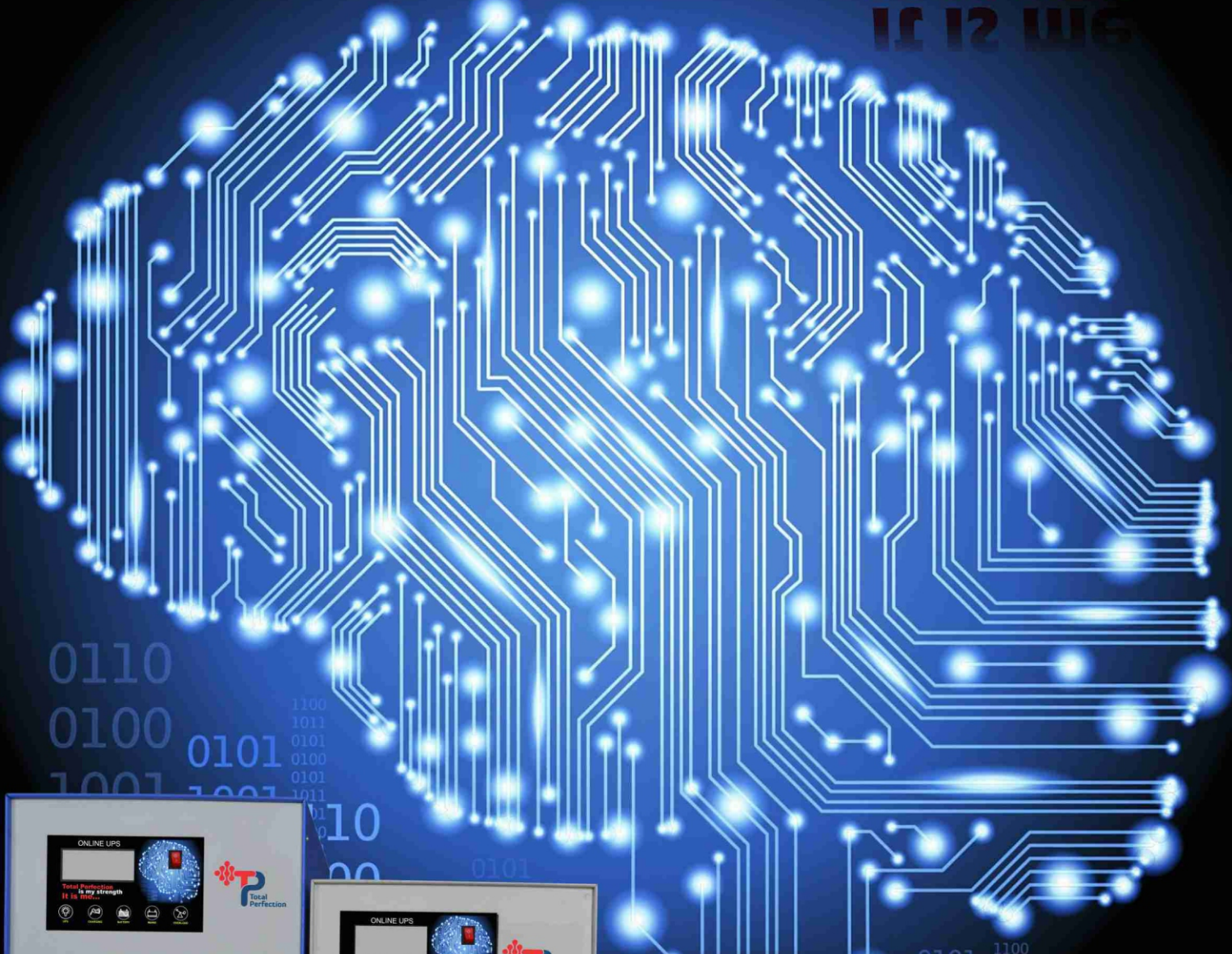


Total Perfection
is my strength...
it is me

IF IZ WIZ



ONLINE UPS

- World's latest DSP based technology
- Micro Processor/ incorporating IGBT devices based design
- True Double Conversion On-Line design
- PFC based design
- Wide input voltage window
- Single Phase Input -Single Phase Output (upto 10 kva)
- Generator Compatible: Eliminates generator frequency & voltage drifts

TECHNICAL SPECIFICATION

Parameter	RATING										
	1 KVA	2 KVA	3 KVA	3 KVA	5KVA	5KVA	5KVA	7.5KVA	7.5KVA	10KVA	10KVA
System Rating	1 KVA	2 KVA	3 KVA	3 KVA	5KVA	5KVA	5KVA	7.5KVA	7.5KVA	10KVA	10KVA
Operating DC Voltage	48V	72V	96V	120V	120V	168V	180V	168V	180V	168V	180V

PFC BASED MAINS CHARGER

Switching Element	IGBT
Micro-Controller	DSP
Type of Charger	PFC Based Charger
Efficiency	90%

PARAMETER

Battery Low Alarm	10.7V +/- 2%
Battery Low Cut / High Cut	10.5V / 15.5V +/- 2%
Battery Charging Voltage_SMF	13.75V +/- 2%
Battery Charging Voltage_TUB	14.2V +/- 2%
Battery Charging Current_HC / NC	5A / 2.5A +/- 2%
Grid Low Cut / High Cut	165V / 280V +/- 2%
Batt charging Selection	NC/HC
Battery Selection	Tubular / SMF

BATTERY

Temperature Compensation	3mV / Cell ,18mV / Battery (Optional)
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LCD

Display	20x4 Alphanumeric LCD Graphical Color Display 3.2" (Optional)
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LCD Display Parameters

Output	Voltage, Current, Frequency
Load	Load in %, Actual Running Load in Watt
Battery	Battery Level & Battery Voltage, Charging Current by Grid, Charging Stages(Soft Start, Bulk, Absorption, Float & Equalize)
Status and Faults	Overheat, Mains High / Low, Inverter On/Off, Output Low, Battery Low / High

UPS

Control Topology	PWM
Nominal Output Voltage	220V +/- 2%
Ouput Supply Phase	1 Phase, 3 Wire (P,N,E)
Output Waveform	Digitally Filtered Pure Sine Wave
Frequency	50 Hz
Voltage Regulation	1%
Output Distortion at Full Load	<3%
Overload	100% - 120% : 60 Seconds with 3 Times Auto Reset, 120%-150% : 5 Second,<150%:1 Second
Peak Efficiency	> 85%
Noise from I Meter	60 dB
Cooling	Temperature Controlled Fan
Protections	Overload, Short Circuit,Over Voltage, Reverse Polarity of Battery, Over Temperature, Under Voltage and Over Voltage
Switches	Reset Switch for System On/Off, Display Stop Switch
Led Indications	UPS On, Grid Charging, Battery Low / High, Overheat, Overload, Grid High / Low, Grid Frequency Out
Environment Standard Compliance	IP20, IP21(Optional)

* Specification may change due to continuous R&D

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