

Fuji DSP Hybrid Solar UPS

FEATURES OF FUJI SOLAR UPS

1000VA / 1500VA / 2000VA / 3000VA / 5000VA

- DSP based; less components, small size less electricity bill more efficiency
- Soft start features; protects appliances at startup.
- Supply the highest quality pure sine wave power; protects your expensive household appliance and sensitive office equipments.
- Highly cost effective design.
- Easy to operate.
- Low maintenance cost.
- Over load and D.C. low protection.
- Software controlled Auto self testing.
- Fully computer friendly UPS operation.
- Intelligent Auto sense; continuously monitors health of system.
- AC Input low and high voltage cut off protections in both, inverter and U.P.S. modes.
- Constant voltage/Constant current pulse charging with wide Input range (130-280) V. (Charging current-10Ampr)
- Silent operation of fans, tube light or appliances.
- Quick change over from Mains to inverter mode.
- Software controlled Auto reset feature for over load, short ckt and low battery
- Special charging algorithm to enhance battery life.
- Fully protected against short circuit of AC mains with output.
- Phase to phase short circuit protection.
- Very low no load current for prolonged battery operation under standby.
- Cooling fan improves reliability of system.
- Secure operation; No tension for night charging.
- Intelligent charging; adapts itself to low, high battery, more and less power cut areas, battery health conditions.
- Can even charge 6.4 volt deep discharged battery.
- Reverse battery protection (optional).
- Generator compatible.
- High efficiency; better than 85%.

TECHNICAL SPECIFICATIONS FUJI SOLAR UPS

MODEL	1000VA / 12V	1500VA / 2000VA / 24V	2000VA / 36V	2500VA / 3000VA / 48V / 4000VA / 5000VA / 72V
Input voltage (UPS)	180-260V	180-260V	180-260V	180-260V
Input voltage (NOR)	90-280V	90-280V	90-280V	90-280V
Output voltage on mains mode	Same as input	Same as input	Same as input	Same as input
Out voltage on UPS mode	220 ±5%	220 ±5%	220 ±5%	220 ±5%
Output frequency on UPS mode	50Hz ±0.1Hz	50Hz ±0.1Hz	50Hz ±0.1Hz	50Hz ±0.1Hz
Switching from mains to Normal Ups and from Ups to mains.	Automatic	Automatic	Automatic	Automatic
Switching from mains to UPS and from UPS to Mains	Automatic	Automatic	Automatic	Automatic
Output waveform on mains mode.	Same as input	Same as input	Same as input	Same as input
Output waveform on UPS mode.	PURE SINE WAVE	PURE SINE WAVE	PURE SINE WAVE	PURE SINE WAVE
Battery charging current	Constant charging approx 6% of the rated battery current in AH.	Constant charging approx 6% of the rated battery current in AH.	Constant charging approx 6% of the rated battery current in AH.	Constant charging approx 6% of the rated battery current in AH.
Charger	Power factor controlled boost technology	Power factor controlled boost technology	Power factor controlled boost technology	Power factor controlled boost technology
Efficiency	> 80%	> 80%	> 80%	> 80%
UPS overload	120%	120%	120%	120%
UPS short circuit	300%	300%	300%	300%
Technology	DSP BASED DESIGN.	DSP BASED DESIGN.	DSP BASED DESIGN.	DSP BASED DESIGN.
Auto reset features	Yes	Yes	Yes	Yes
	SOLAR SPECIFICATON			
PV Panel Voc Max.	23V	45V	68V	92V/138V/184V
PV Panel on load V Output	15.5V	31V	46.5V	62V/93V/124V
Output Current	10 to 40 Ampr	10 to 40 Ampr	10 to 40 Ampr	10 to 40 Ampr
Battery Full Charge Cutoff	14.4 VDC	28.8 VDC	42.5. VDC	55.2/82.8 /110.4VDC