

Solar Hybrid PCU-PWM



Save money /
Cut electricity bills



Intelligent
Charge sharing



Battery charging
From 90VAC



Built-in heavy duty
solar charge controller



ATBM technology Selectable
Tub / LA / VRLA & Li-ion



Instant changeover /
best suited for IT load



Generator
Compatible

Range 1100-1650/12V | 1700- 3070/24V

www.intelenergi.com



Let's improve the quality of life!

From a modest start in early 2000 we invested a lot of time, effort and money solving the customer's problem in the areas of electricity. Today we can't imagine life without electricity. We always strive to offer a solution to our customers which can bring brightness and smiles in their life. After successfully developing market, customer awareness and establishing a few brands in more than 30 countries and having focus on green energy, we have been engaged in the areas of energy storage, renewable energy, storage products and electrical solution.

The backbone of the company are -

- Having 3 state of the art manufacturing facility in North of India.
- Total installed capacities of all the batteries and inverter are more than 1 Million a year.
- One of the largest OEM supplier & technology partner to conglomerate to big energy & solar brands globally.
- We are ISO, CE, UL certified and our products are approved for Saber Saleem (SASO), SONCAP by SGS and Intertek, CBCA by BIVAC, NEPQA.
- Products complied for JIS 8702-1:2009, IEC 60086, IEC 60896-22:2004.



Solar PCU - PWM

Solar PWM PCU from Intelenergi is one of the most reliable, trusted & technically advanced Solar PCU in the Global market. Solar PCU is an integrated system which primarily includes an Inverter, a Solar Charge Controller and a grid charger. Depending upon availability, the Intelligent Solar PCU automatically switches between Solar power or grid power for charging the Batteries and running the load. However Solar power is always given priority and only when it is insufficient, than Grid power.

Smart management of Solar power, Grid supply & Battery allows it to deliver power seamlessly to all electrical applications, thus significantly reducing energy costs as well as carbon footprint.

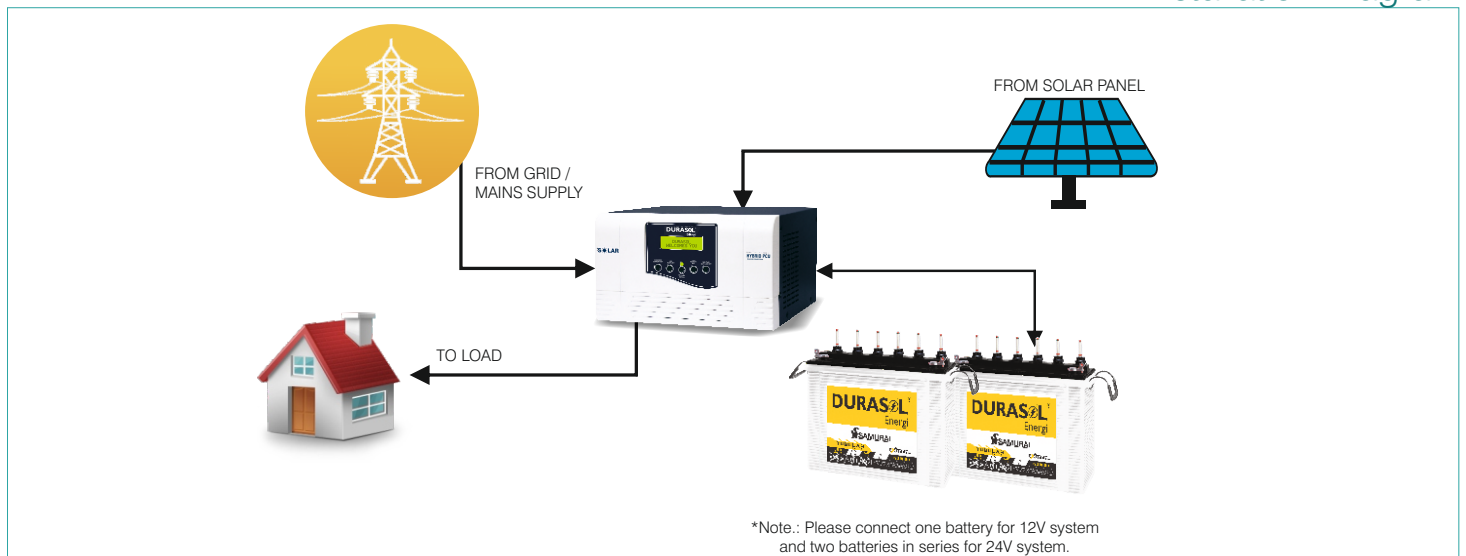
- **Pure Sine Wave output** ensuring noise less operation.
- **Built-in heavy duty** solar charge controller.
- Smart battery management system for **longer battery life**.
- **Grid charging** enable/disable option.
- **LCD Display** with front switch settable options of grid charging current, UPS/WUPS - mains voltage range, solar priority, battery type and battery low settings.
- **High surge handling** capability for mixed load.
- **Protection** against overload, Short circuit, backfeed, battery deep discharge



PWM SOLAR PCU		DSH1100	DSH1250	DSH1450	DSH1650	DSH1700	DSH2100	DSH2500	DSH3000	DSH2570	DSH3070
		750VA/12V	925VA/12V	1050VA/12V	1200VA/12V	1500VA/24V	1900VA/24V	2250VA/24V	2750VA/24V	2250VA/24V	2750VA/24V
INPUT	Main Wide UPS mode voltage range	90 ~ 295 ± 10 VAC									
	Main UPS mode voltage range	180 ~ 265 ± 10 VAC									
OUTPUT	Voltage (Mains mode)	Same as Input									
	Frequency (Mains mode)	Same as Input (41-65 Hz)									
	Waveform (Mains mode)	Same as Input									
	Rated Voltage (Backup mode)	230 VAC ± 10%									
	Rated Frequency (Backup mode)	50Hz ± 0.5 Hz									
	Waveform (Backup mode)	Pure Sine Wave									
SOLAR	Max Input Solar PV (V)	25 V			50 V		50 V		50 V		
	Max PV Watt (Wp)	800 Wp			1600 Wp		1700 Wp		2800 Wp		
	Voltage (Voc)	19~25 V			38~50 V		38~50 V		38~50 V		
	Voltage (Vmp)	17-19 V			34~39 V		34~39 V		34~39 V		
	Max PV Charging Current (A)	50 A			50 A		50 A		70 A		
BATTERY	Capacity	100Ah-250Ah									
	Type	Tubular, Flat Plate, SMF/VRLA or Any Local Battery Compatible									
	DC Voltage	12V					24V				
PROTECTIONS	Parameters	PV Reverse Polarity, Low Battery, Reverse Battery, PV High, Battery High Voltage, Overload, Output Short Circuit, Over Temperature, Resettable Circuit Breakers at Input Mains									
SETTABLE OPTIONS	Battery Charging Current (Mains mode) (A) (ON/OFF Switch any position)	20/15(Default)/10/5/0 AMPS									
	UPS/WUPS mode selection (ON/OFF Switch any position)	WUPS(Default) 90V TO 295V									
	Priority selection (ON/OFF Switch any position)	Grid(Default)/Solar/User1/User2/Normal									
	Battery Type selection (ON/OFF Switch ON Position only)	Tubular(Default)/LA/Li-ion*									
	Battery Low setting per battery (ON/OFF Switch OFF position only)	11/10.8/10.5(Default) V									
ENVIRONMENTAL	Operating Temperature	0-45°C (32-113°F)									
	Storage Temperature	0-45°C (32-113°F)									
	Humidity	0-95% RH non condensing									
PHYSICAL	Net weight (Kg)	7.4	8.3	9.1	11.0	13.6	14.4	17.9	19.7	18.0	19.9
	Gross weight (Kg)	8.2	9.1	9.8	11.7	14.7	15.7	19.5	21.3	19.6	21.5
	Dimensions (LxWxH) mm	295 x 288.3 x 134.5					295 x 309.8 x 182.5		295 x 315 x 280		

*Specification are subject to change without prior notice. For detailed technical specifications, please refer to the product manual.

Installation Diagram



OUR COMPLETE RANGE OF ENERGY SOLUTIONS

(Products other than Inverter, Solar PCU and batteries are under ETG brand)



Our Presence

Presence in more than 30 countries and still counting.
Overseas offices in Middle East and manufacturing facilities at Sudan.

