

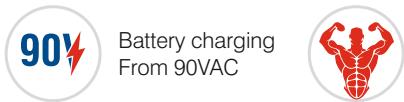
Solar Hybrid PCU-PWM



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

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



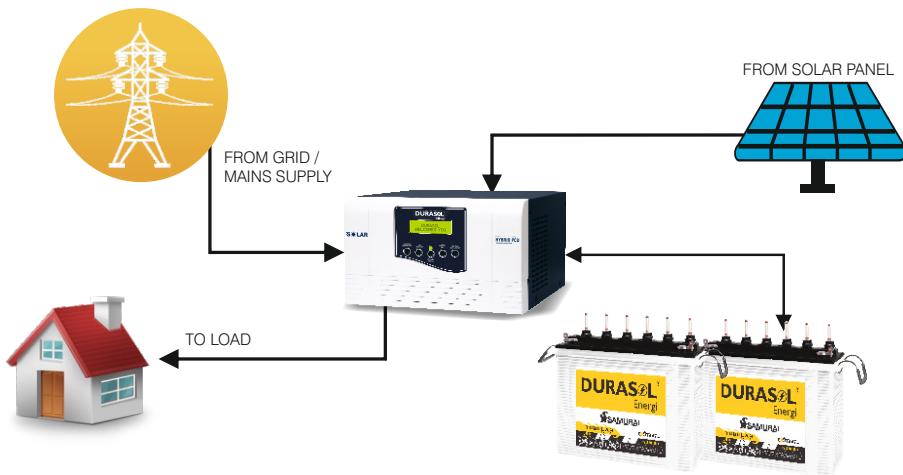
Technical Specifications - Solar PCU - PWM

DURASOL®
Energi

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)																						
SOLAR	Waveform (Mains mode)	Same as Input																						
	Rated Voltage (Backup mode)	230 VAC ± 10%																						
BATTERY	Rated Frequency (Backup mode)	50Hz ± 0.5 Hz																						
	Waveform (Backup mode)	Pure Sine Wave																						
PROTECTIONS	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																
SETTABLE OPTIONS	Capacity	100Ah-250Ah																						
	Type	Tubular, Flat Plate, SMF/VRLA or Any Local Battery Compatible																						
	DC Voltage	12V			24V																			
ENVIRONMENTAL	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																						
	Battery Charging Current (Mains mode) (A) (ON/OFF Switch any position)	20/15(Default)/10/5/0 AMPS																						
PHYSICAL	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																						
	Dimensions (LxWxH) mm	7.4	8.3	9.1	11.0	13.6	14.4	17.9	19.7	18.0	19.9													
GROSS weight (Kg)	Net 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



*Note.: Please connect one battery for 12V system and two batteries in series for 24V system.

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.

