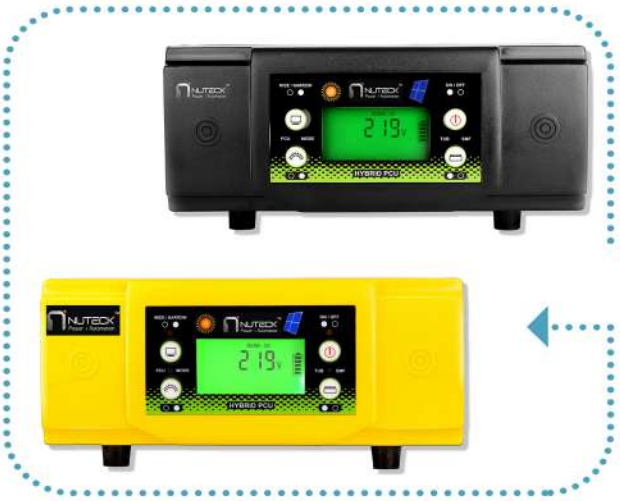
SOLAR INVERTER (PCU) BY NUTECK POWER SOLUTIONS

Nuteck solar inverters are manufactured utilizing the latest technology and raw materials to ensure reliable and efficient performance for years to come. We offer a variety of products that can handle different applications and requirements, from small residential systems to large commercial installations.

Our solar inverters are engineered with cutting-edge technology to maximize energy production and ensure optimum efficiency. Our commitment to excellence and customer satisfaction is reflected in our products, which are built to last and are backed by industry - leading standards.

Our team of experts our dedicated to providing you with exceptional customer service and technical support. We understand the importance of choosing the right solar inverter for your project, and we are here to help you every step of the way.

SOLAR PCU TECHNICAL SPECIFICATION



Model	TPS 700	TPS 900	TPS 1100	TPS 1350	TPS 1500
I/P Range (Normal Mode)	100V-285V+10V				
I/P Range (UPS Mode)	180V-265V+5V				
O/P Voltage Battery Mode	220V+10V				
O/P Frequency Battery Mode	50Hz+0.5Hz				
O/P Waveform Battery Mode	Sine Wave				
Low Battery Alarm	10.8V+0.2V				
Low Battery Shutdown	10.5V+0.2V				
Running Load	44A+2A	50A+2A	60A+2A	85A+2A	90A+2A
Overload	47A+2A	53A+2A	63A+2A	90A+2A	95A+2A
DC Voltage	12V				
Charging Current	15A+1A	20A+1A			
Charging Cut off	14.6V/14.0V+0.2V				
No Load Current	<2.5A				
Efficiency	>85%				
Battery Recommended	135AH-300AH				

Model	TPS 1600	TPS 2000	TPS 2500	TPS 3000
I/P Range (Normal Mode)	100V-285V+10V			
I/P Range (UPS Mode)	180V-265V+10V			
O/P Voltage Battery Mode	220V+10V			
O/P Frequency Battery Mode	50Hz+0.5Hz			
O/P Waveform Battery Mode	Sine Wave			
Low Battery Alarm	21.6V+0.2V			
Low Battery Shutdown	21V+0.2V			
Running Load	47A+2A	60A+2A	78A+2A	90A+2A
Overload	50A+2A	63A+2A	80A+2A	94A+2A
DC Voltage	24V			
Charging Current	15A+1A			
Charging Cut off	29.2V/28.0V+ 0.2V			
No Load Current	<2.5A	<3A		
Efficiency	>85%			
Battery Recommended	135AH-300AH			

Model	TPS 3500/48V	TPS 5000/48V	TPS 5000/96V
I/P Range (Normal Mode)	100V-285V+10V		
I/P Range (UPS Mode)	180V-265V+5V		
O/P Voltage Battery Mode	220V+10V		
O/P Frequency Battery Mode	50Hz+0.5Hz		
O/P Waveform Battery Mode	Sine Wave		
Low Battery Alarm	43.2V+0.2V	86.4V+0.2V	
Low Battery Shutdown	42V+0.2V	84V+0.2V	
Running Load	58A+2A	75A+2A	44A+2A
Overload	62A+2A	78A+2A	47A+2A
DC Voltage	48V	96V	
Charging Current	15A+1A		
Charging Cut off	58.4V/56.0V+0.2V	116V/112V+0.2V	
No Load Current	<2.5A		
Efficiency	>85%		
Battery Recommended	135AH-300AH		

SALIENT FEATURES

- 40/50 Amp built-in PWM solar charge controller
- Next-GEN Tru-Solar Hybrid PCU incorporates DSP based technology
- Double (DSP & MICRO) controller design for better reliability & less wiring
- Maximum utilization of solar energy through smart solar PCU functionality
- PTH pcb for easy service ability
- Solar PV reverse connection protection
- Smart battery charging with priority to solar
- Maximum utilization of solar energy through smart solar PCU functionality

SOLAR PCU TECHNICAL SPECIFICATION

Model	TPS 7.5 KVA/120V
I/P Range (Normal Mode)	100V-285V+10V
I/P Range (UPS Mode)	180V-265V+5V
O/P Voltage Battery Mode	220V+10V
O/P Frequency Battery Mode	50Hz+0.5Hz
O/P Waveform Battery Mode	Sine Wave
Low Battery Alarm	108V+0.2V
Low Battery Shutdown	105V + 0.2V
Running Load	48A+2A
Overload	50A+2A
DC Voltage	120V
Charging Current	15A+1A
Charging Cut off	145V/140V+0.2V
No Load Current	<2.5A
Efficiency	>85%
Battery Recommended	135AH-300AH

Model	TPS 10KV-120KV | TPS 10kv-180kv
I/P Range (Normal Mode)	100V-285V+10V
I/P Range (UPS Mode)	180V-265V+5V
O/P Voltage Battery Mode	220V+10V
O/P Frequency Battery Mode	50Hz+0.5Hz
O/P Waveform Battery Mode	Sine Wave
Low Battery Alarm	108V+0.2V | 108V+0.2V
Low Battery Shutdown	105V + 0.2V 157.5V + 0.2V
Running Load	62A+2A | 45A+2A
Overload	65A+2A | 48A+2A
DC Voltage	120V | 180V
Charging Current	15A+1A
Charging Cut off	145V/140V+0.2V | 217.5V/210V+0.2V
No Load Current	<2.5A
Efficiency	>85%
Battery Recommended	135AH-300AH

Protection

Faster Charging

5TH GEN

Advanced Sine Wave Technology

Latest 5th GEN Semi Conductor Technology

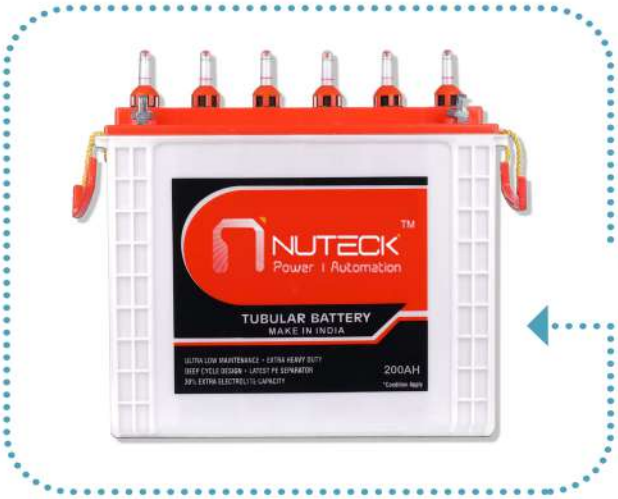
SOLAR CHARGE CONTROLLER

Technology	DSP based intelligent battery charging & charge sharing with Mains
Charge Controller Type	PWM / MPPT Based
Charge Controller Type	40/50 Amps
Solar Battery Charging Current	40 Amps
Solar Low Cut Off Voltage	11V To 11.6V
PV Reverse Polarity Protection	Available
Reverse Current Flow PV Protection	Available

SALIENT FEATURES

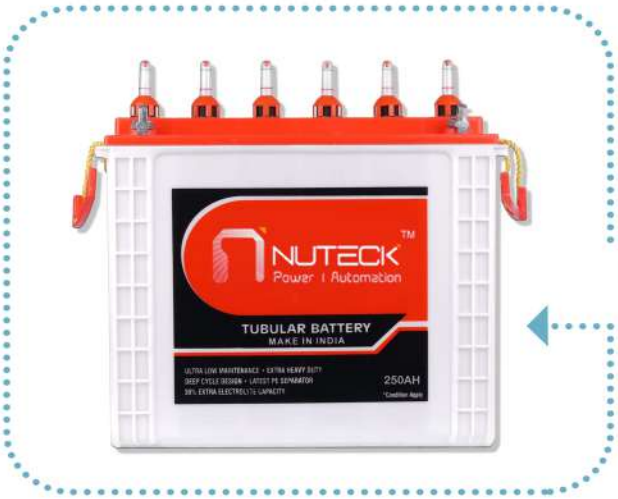
- Solar panel 100 W to 800 W (12V) & 200 W -1600 W (24V)
- Longer backup as solar panel & battery both supports the load
- Increased battery life as solar panel produces pure DC power
- Cuts down grid electricity consumption, maximum grid power saving
- Advance pure sine wave technology
- Multicolor user friendly interactive LCD display system
- GPM gravity profile management for better battery performance

TUBULAR BATTERY SPECIFICATION



Model - IT 200

Capacity	200 AH
Length	500
Width	185
Height	420
Charging Current (A)	12-18
Wight with Acid (KG)	62-63



Model - IT 250

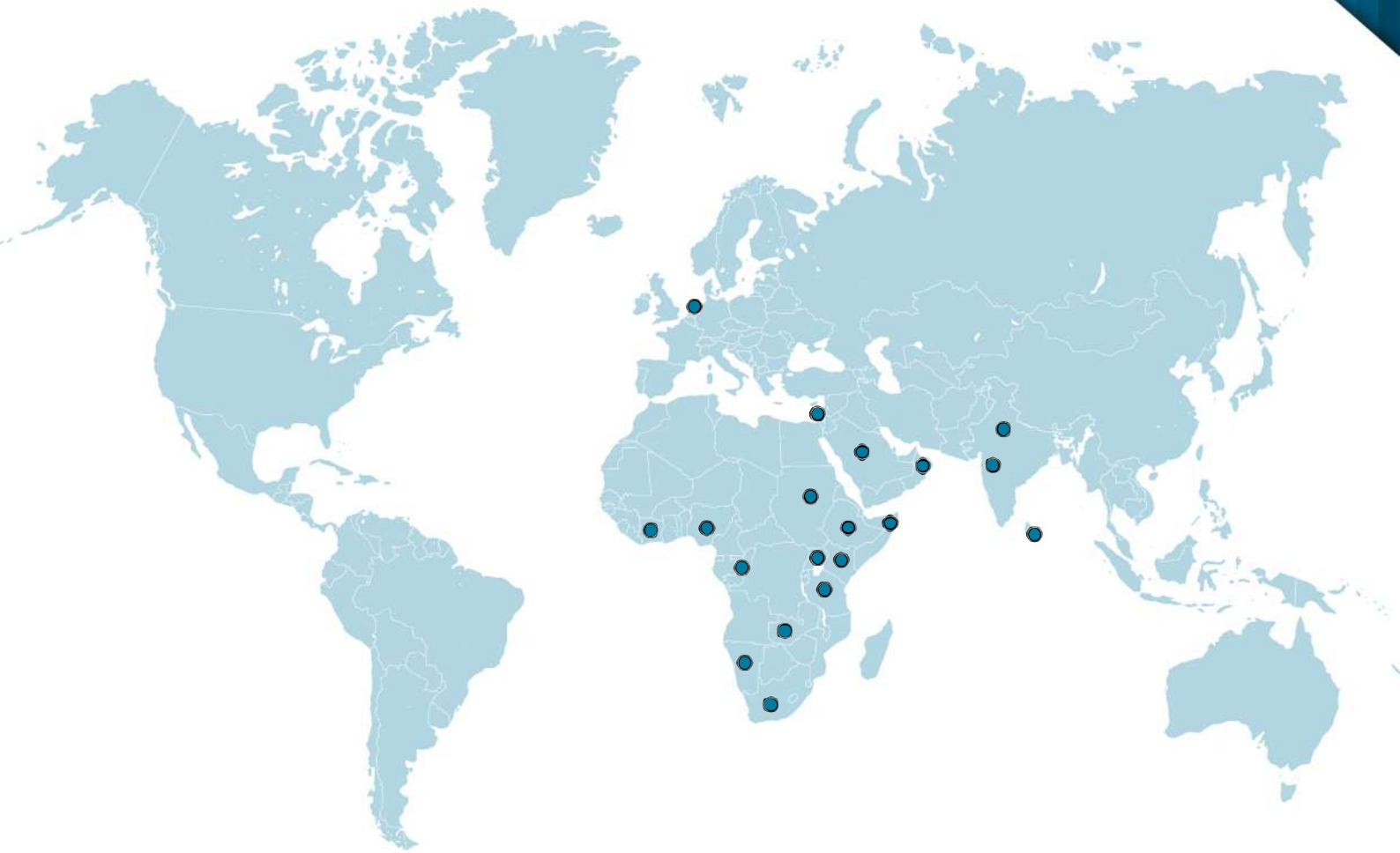
Capacity	250 AH
Length	500
Width	185
Height	420
Charging Current (A)	15-18
Wight with Acid (KG)	67-68

- High Efficiency
- Excellent PSOC Performance
- Longer Life
- Low Maintenance 99.99% Pure Lead

SALIENT FEATURES

- Ultra low maintenance and less topping-up
- PE separator - low electrical resistence, minimal self discharging & high porosity
- Cell partition welded with short electrical path for low internal resistence
- 99.9% - 99.99% Pure lead
- Full capcity / True AH output
- 100% factory charged battery
- Low self discharge
- Heavy duty terminals
- Ceramic water level
- Excellent Partial State of Charge (PSOC) performance
- Hi-efficency grid design mode of Selenium / low Antimony alloy with grain refiners for low water loss, least corrosion long life management system with micro porous went plugs for least environmental pollution
- Rugged anti- corrosive addictive for longer battery life
- Computerized formation - for uniform quality and peak performance
- Container made of PP Co-polymer for strength & robustness
- More ribs on container for better strength
- Batteries are designed to operate in partial charged conditions even in the non sunny days

OUR GLOBAL PRESENCE



Nuteck Power Solutions has been into manufacturing of Power Solutions since 1992 and has made a reputable name in the global market. Our solar inverters are durable, user-friendly & cost-effective. So, if you're looking to power your home or business with clean and renewable energy, our solar inverters are the perfect solution for you.

We have been accredited as the fastest growing solar inverter exporter and recognized by EUPD Solar. We believe solar energy has the potential to revolutionize the energy industry and mitigate climate change.

Join us in the journey towards a more sustainable planet, one solar inverter at a time!

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