Single Phase Output







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SOLAR PANEL | POLYCRYSTALLINE | 330-345 WATT





Designed for very HIGH AREA EFFICIENCY ideally suited for roof-top and ground-mounted applications



Up to +5 Wp POSITIVE POWER OUTPUT TOLERANCE GUARANTEED ensuring faster ROI



Extremely RELIABLE PRODUCT suiting all environment conditions



Extremely RELIABLE PRODUCT suiting all environment conditions; Certifications: IEC 61215/IEC61730

Peak Power (0-4.99Wp) Pmax (Wp)	330	335	340	345
Maximum Voltage Vmpp (V)	38.61	38.71	38.8	38.9
Maximum Current Impp (A)	8.56	8.66	8.77	8.87
Open Circuit Voltage Voc (V)	46.4	46.5	46.6	46.7
Short Circuit Current Isc (A) Module	9.14	9.22	9.32	9.42
Efficiency (%)	17.01	17.26	17.52	17.78

Hybrid Inverter-

- On Grid Solar Power: The generated solar power is exported to grid, through on-grid inverter.
- 2. Hybrid Solar Power: -
- a. OFF Grid: The generated power is stored in battery and the same is inverted through inverter for domestic and industrial use.

Inbuilt MPPT charge controller Selectable source feature – Grid / Battery DC/ Solar (Automatic changeover between solar & Inbuilt isolation transformer for galvanic isolation AC mains provided)

Inbuilt isolation transformer for galvan	Cisolation	// maillo provided /					
Photovoltaic Input	1-2kW	3-5kW	7.5/10kVA				
System Rating (KW) KSG Series Model	KSG-1K-SM/KSG-2K-SM	KSG-3K-SM/KSG-5K-SM	KSG-7.5K-SM/KSG-10K-SM				
PWM with MPPT Range							
Maximum PV power recommended (KW)	33-55VDC	65 – 110 V DC	135 – 192 V DC				
MPPT base Charge Controller	1-2kW	3-5kW	7.5/10kVA				
Switching Element		Yes					
Controller	MOSFET/IGBT						
	DSP Controlled PWM with MPPT						
Charging Stages Grid Input	Boost Absorption, Float						
Input Supply	230V AC	230V AC, 50 Hz (-20%, +15%), 1 Phase 3 Wire					
Battery							
Battery Voltage	24/48V 48/96/120V DC Upto 10kVA						
Grid through Battery charging capacity (%	0 - 50%						
(W Rating)							
nverter		AND THE RESERVE OF THE PARTY OF					
Switching Element		MOSFET/ IGBT					
Control	16 Bit DSP Controlled						
Nominal Output Voltage, Frequency (Hz)	230V AC L-N, 50Hz, 1 Phase 2 Wire						
Dutput Waveform		Sine Wave					
oad Power Factor	0.6 la	0.6 lag to 1 (within KVA and KW rating)					
/oltage regulation		± 2%					
/oltage Stability in dynamic condition	Comp	olies with IEC/EN 62040-3, Class 1					
Output voltage distortion with 100% linear	< 3%, Over load 125%10min,150%1min						
oad",Over load							
'Inverter peak efficiency (Ref. STD IEC 81683)"		Up to 90%					
Protection degree with open doors	IP21						
Colour	RAL 7016 Texture						
Cooling	Forced Air						
Salvanic Isolation	Inbuilt isolation transformer at inverter output						
Protection	Under/Over voltage for Array & Battery, reverse polarity Output overload, Short circuit, Over						
	temperature, Surge protection at Input, Output, Array & Battery path, MCB at Battery & Output						
Display Parameter	Array - Voltage, Power, 2. Battery - Voltage, 3. Output - Voltage						
ndications	MPPT Charger ON/OFF, Inverter ON, Inverter OFF, CV Mode ON, PV Array OFF,						
Max. Relative humidity @ 25°C (non	Battery low trip, Battery low alarm, Over Load, Over Temperature, Short Circuit Up to 95%						
Max. Altitude above sea level without de-	1000 m (For higher altitude complies with IEC/EN 62040-3)						
Standard Compliance							
Testing		IEC 61683 / IEC 60068					
Operating Ambient Temp.		0 ~ 50°C					



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Solar Tubular Battery

FEATURES:



TECHNICAL SPECIFICATIONS:

Type of Nominal Battery Voltage (V)	Nominal	Capacity @C10 upto	Battery Weight	Overall Dimension			
			Length ± 5 mm	Width ± 5 mm	Height ±5 mm		
WPS75	12	75	32.0	410	176	292	
WPS75L	12	75	42.5	530	220	294	
WPS100L	12	100	55.0	500	187	421	
WPS120L	12	120	48.5	530	220	294	
WPS150L	12	150	63.0	500	187	421	
WPS200L	12	200	75.0	500	187	421	

OTHER BATTERY SOLUTIONS







Single Phase Output



Module Mounting Structure

Specifications

Material: Stainless Steel

Weather Proof Accessories: Available

Module Adjustment : Across the Profile

Designed Wind Speed:>200KMPH

Type: Galvanised MMS

Thickness: >80 micron

Profile Drawing 50

Key Features:

- 1. Anti-Corrosive Property against harsh environment
- 2. Easy to handle and install
- 3. Layman installation techniques







