



Solar Rooftop Solutions

Catalogue



Solar PCU

SOLAR PRO

Solar PCU with PWM technology ranging from 850VA to 2000VA having 36 Months* warranty on the product and 120 Months* warranty on transformer.



Zero Drop PWM
Charger Topology



Working Mode
(Intelligent, Hybrid & Solar)



PV Reverse
Protection



Auto Selection of grid
Reconnect Battery Voltage



Isolated Gate Drive
for Solar Charger



Double PV Voc
protection

Solar PCU

SOLAR PRO

MODELS

PARAMETER	SOLAR PRO 850VA 12V	SOLAR PRO 1000VA 12V	SOLAR PRO 1400VA 12V	SOLAR PRO 2000VA 24V
Capacity (VA)	850VA	1000VA	1400VA	2000VA
Maximum Bulb Load (W)	850W	1000W	1400W	2000W
Battery Voltage	12V	12V	12V	24V
Product Warranty	3 Years	3 Years	3 Years	3 Years
Transformer Warranty	10 Years	10 Years	10 Years	10 Years
Voc Range	17V ~ 27V	17V ~ 27V	17V ~ 27V	34V ~ 54V
Input Voltage (Wide Mode)	90V-290V	90V-290V	90V-290V	90V-290V
Input Range (Narrow Mode)	170V-270V	170V-270V	170V-270V	170V-270V
Output Voltage on Mains Mode	Same as Input	Same as Input	Same as Input	Same as Input
Output Voltage on Backup Mode	225V	225V	225V	225V
Output Frequency on Backup Mode	50Hz	50Hz	50Hz	50Hz
Switching from Mains to Backup and from Backup to Mains	< 10 mS	< 10 mS	< 10 mS	< 10 mS
Output Waveform on Mains Mode	Sinewave	Sinewave	Sinewave	Sinewave
Output Waveform on Backup Mode	Sinewave	Sinewave	Sinewave	Sinewave
Battery Charging Current	13/18A	18/20A	18/20A	18/20A
Charger	PWM	PWM	PWM	PWM
PCU Overload/PCU Short Circuit	110%/300%	110%/300%	110%/300%	110%/300%
Technology	DSPIC Micro Controller based design			
Auto Reset Feature	YES	YES	YES	YES
Operating Temperature	0°C-45°C	0°C-45°C	0°C-45°C	0°C-45°C
MAX PV Power	1105W	1300W	1820W	2600W
Solar Current MAX.	55A	60A	75A	55A
Dimension (L*W*H) w/o packaging	333*285*151	333*285*151	396*363*175	396*363*175
Dimension (L*W*H) with packaging	390*355*210	390*355*210	458*426*235	458*426*235

Solar PCU

SOLAR PROMAX

Solar PCU with MPPT technology ranging from 0.5kVA to 10kVA having 36 Months* warranty on the product and 120 Months* warranty on transformer.



Zero Drop MPPT
Charger Topology



Working Mode
(Intelligent, Hybrid & Solar)



PV Reverse
Protection



Auto Selection of grid
Reconnect Battery Voltage



Isolated Gate Drive
for Solar Charger



Fast
Charging

Solar PCU



MODELS				
PARAMETER	SOLAR PROMAX 500VA-12V	SOLAR PROMAX 1000VA-12V	SOLAR PROMAX 1500VA-24V	SOLAR PROMAX 2000VA-24V
Capacity (VA)	500VA	1000VA	1500VA	2000VA
Maximum Bulb Load (W)	500W	1000W	1500W	2000W
Battery Voltage	12V	12V	24V	24V
Product Warranty	3 Years	3 Years	3 Years	3 Years
Transformer Warranty	10 Years	10 Years	10 Years	10 Years
Voc Range	15V ~ 54V	15V ~ 54V	30V ~ 110V	30V ~ 110V
Input Voltage (Wide Mode)	90V-290V	90V-290V	90V-290V	90V-290V
Input Range (Narrow Mode)	170V-270V	170V-270V	170V-270V	170V-270V
Output Voltage on Mains Mode	Same as Input	Same as Input	Same as Input	Same as Input
Output Voltage on Backup Mode	225V	225V	225V	225V
Output Frequency on Backup Mode	50Hz	50Hz	50Hz	50Hz
Switching from Mains to Backup and from Backup to Mains	< 10 mS	< 10 mS	< 10 mS	< 10 mS
Output Waveform on Mains Mode	Sinewave	Sinewave	Sinewave	Sinewave
Output Waveform on Backup Mode	Sinewave	Sinewave	Sinewave	Sinewave
Battery Charging Current	11/13A	18/20A	18/20A	18/20A
Charger	MPPT	MPPT	MPPT	MPPT
PCU Overload/PCU Short Circuit	110%/300%	110%/300%	110%/300%	110%/300%
Technology	DSPIC Micro Controller based design			
Auto Reset Feature	YES	YES	YES	YES
Operating Temperature	0°C-45°C	0°C-45°C	0°C-45°C	0°C-45°C
MAX PV Power	675W	1300W	1950W	2600W
Solar Current MAX.	32A	60A	50A	68A
Dimension (L*W*H) w/o packaging	308*275*158	315*275*258	315*275*308	375*275*308
Dimension (L*W*H) with packaging	370*345*235	385*350*338	385*350*385	445*350*385

Solar PCU



MODELS

PARAMETER	SOLAR PROMAX 2500VA-24V	SOLAR PROMAX 3000VA-48V	SOLAR PROMAX 5000VA-48V	SOLAR PROMAX 5500VA-96V	SOLAR PROMAX 10000VA-120V
Capacity (VA)	2500VA	3000VA	5000VA	5500VA	10000VA
Maximum Bulb Load (W)	2500W	3000W	5000W	5500W	10000W
Battery Voltage	24V	48V	48V	96V	120V
Product Warranty	3 Years	3 Years	3 Years	3 Years	3 Years
Transformer Warranty	10 Years	10 Years	10 Years	10 Years	10 Years
Voc Range	30V ~ 110V	70V ~ 180V	70V ~ 180V	180V ~ 510V	180V ~ 510V
Input Voltage (Wide Mode)	120V~290V	120V~290V	120V~290V	120V~290V	120V~290V
Input Range (Narrow mode)	170V~270V	170V~270V	170V~270V	170V~270V	170V~270V
Output Voltage on Mains Mode	Same as Input	Same as Input	Same as Input	Same as Input	Same as Input
Output Voltage on Backup Mode	225V	225V	225V	225V	225V
Output Frequency on Backup Mode	50Hz	50Hz	50Hz	50Hz	50Hz
Switching from Mains to Backup and from Backup to Mains	< 10 mS	< 10 mS	< 10 mS	< 10 mS	< 10 mS
Output Waveform on Mains Mode	Sinewave	Sinewave	Sinewave	Sinewave	Sinewave
Output Waveform on Backup Mode	Sinewave	Sinewave	Sinewave	Sinewave	Sinewave
Battery Charging Current	15/20A	13/18A	20/22A	13/18A	18/20A
Charger	MPPT	MPPT	MPPT	MPPT	MPPT
PCU Overload/PCU Short Circuit	110%/300%	110%/300%	110%/300%	110%/300%	110%/300%
Technology	DSPIC Micro Controller based design				
Auto Reset Feature	YES	YES	YES	YES	YES
Operating Temperature	0°C-45°C	0°C-45°C	0°C-45°C	0°C-45°C	0°C-45°C
MAX PV Power	3300W	3900W	6550W	7150W	12000W
Solar Current MAX.	72A	35A	62.5A	30A	55A
Dimension (L*W*H) w/o packaging	440*260*440	440*260*440	440*260*440	505*345*630	630*345*730
Dimension (L*W*H) with packaging	532*350*535	532*350*535	532*350*535	685*530*830	785*530*930

Solar PCU

SOLAR SMART

Solar PCU with PWM technology ranging from 500VA to 2500VA having 36 Months* warranty on the product and 120 Months* warranty on transformer.



Zero Drop PWM Solar Charger Topology



3 Savings Mode (Intelligent, Hybrid & Solar)



PV Reverse Protection



Smart Selection of Grid & Solar



Isolated Gate Drive for Solar Charger



Double PV Voc protection

Solar PCU

SOLAR SMART

MODELS			
PARAMETER	SOLAR SMART 925	SOLAR SMART 1250	SOLAR SMART 1400
Capacity (VA)	500VA	850VA	1000VA
Maximum Bulb Load (W)	500W	800W	1000W
Battery Voltage	12V	12V	12V
Product Warranty	3 Years	3 Years	3 Years
Transformer Warranty	10 Years	10 Years	10 Years
Voc Range	17V ~ 27V	17V ~ 27V	17V ~ 27V
Input Voltage (Wide Mode)	90V-290V	90V-290V	90V-290V
Input Range (Narrow Mode)	170V-270V	170V-270V	170V-270V
Output Voltage on Mains Mode	Same as Input	Same as Input	Same as Input
Output Voltage on Backup Mode	225V	225V	225V
Output Frequency on Backup Mode	50Hz	50Hz	50Hz
Switching from Mains to Backup and from Backup to Mains	< 10 mS	< 10 mS	< 10 mS
Output Waveform on Mains Mode	Sinewave	Sinewave	Sinewave
Output Waveform on Backup Mode	Sinewave	Sinewave	Sinewave
Battery Charging Current	11/13A	13/18A	18/20A
Charger	PWM	PWM	PWM
PCU Overload/PCU Short Circuit	110%/300%	110%/300%	110%/300%
Technology	DSPIC Micro Controller based design		
Auto Reset Feature	YES	YES	YES
Operating Temperature	0°C-45°C	0°C-45°C	0°C-45°C
MAX PV Power	675W	1105W	1300W
Solar Current MAX.	30A	55A	60A
Dimension (L*W*H) w/o packaging	333*285*151	333*285*151	333*285*151
Dimension (L*W*H) with packaging	390*355*210	390*355*210	390*355*210

Solar PCU

SOLAR SMART

MODELS			
PARAMETER	SOLAR SMART 1800	SOLAR SMART 3100	SOLAR SMART 3725
Capacity (VA)	1400VA	2000VA	2500VA
Maximum Bulb Load (W)	1400W	2000W	2500W
Battery Voltage	12V	24V	24V
Product Warranty	3 Years	3 Years	3 Years
Transformer Warranty	10 Years	10 Years	10 Years
Voc Range	17V ~ 27V	34V ~ 54V	34V ~ 54V
Input Voltage (Wide Mode)	90V-290V	90V-290V	120V-290V
Input Range (Narrow Mode)	170V-270V	170V-270V	170V-270V
Output Voltage on Mains Mode	Same as Input	Same as Input	Same as Input
Output Voltage on Backup Mode	225V	225V	225V
Output Frequency on Backup Mode	50Hz	50Hz	50Hz
Switching from Mains to Backup and from Backup to Mains	< 10 mS	< 10 mS	< 10 mS
Output Waveform on Mains Mode	Sinewave	Sinewave	Sinewave
Output Waveform on Backup Mode	Sinewave	Sinewave	Sinewave
Battery Charging Current	18/20A	18/20A	18/20A
Charger	PWM	PWM	PWM
PCU Overload/PCU Short Circuit	110%/300%	110%/300%	110%/300%
Technology	DSPIC Micro Controller based design		
Auto Reset Feature	YES	YES	YES
Operating Temperature	0°C-45°C	0°C-45°C	0°C-45°C
MAX PV Power	1820W	2600W	3270W
Solar Current MAX.	75A	55A	55A
Dimension (L*W*H) w/o packaging	396*363*175	396*363*175	440*260*380
Dimension (L*W*H) with packaging	458*426*235	458*426*235	532*450*380

Solar PCU

SOLAR SMARTMAX

Solar PCU with MPPT technology ranging from 0.5kVA to 10kVA having 36 Months* warranty on the product and 120 Months* warranty on transformer.



Zero Drop MPPT Solar Charger Topology



3 Savings Mode (Intelligent, Hybrid & Solar)



PV Reverse Protection



Smart Selection of Grid & Solar



Isolated Gate Drive for Solar Charger



Fast Charging

*T&C Apply

Solar PCU

SOLAR SMARTMAX

MODELS

PARAMETER	SOLAR SMART MAX 900	SOLAR SMART MAX 1400	SOLAR SMART MAX 2600	SOLAR SMART MAX 3100
Capacity (VA)	500VA	1000VA	1500VA	2000VA
Maximum Bulb Load (W)	500W	1000W	1500W	2000W
Battery Voltage	12V	12V	24V	24V
Product Warranty	3 Years	3 Years	3 Years	3 Years
Transformer Warranty	10 Years	10 Years	10 Years	10 Years
Voc Range	15V ~ 54V	15V ~ 54V	30V ~ 110V	30V ~ 110V
Input Voltage (Wide Mode)	90V-290V	90V-290V	90V-290V	90V-290V
Input Range (Narrow Mode)	170V-270V	170V-270V	170V-270V	170V-270V
Output Voltage on Mains Mode	Same as Input	Same as Input	Same as Input	Same as Input
Output Voltage on Backup Mode	225V	225V	225V	225V
Output Frequency on Backup Mode	50Hz	50Hz	50Hz	50Hz
Switching from Mains to Backup and from Backup to Mains	< 10 mS	< 10 mS	< 10 mS	< 10 mS
Output Waveform on Mains Mode	Sinewave	Sinewave	Sinewave	Sinewave
Output Waveform on Backup Mode	Sinewave	Sinewave	Sinewave	Sinewave
Battery Charging Current	11/13A	18/20A	18/20A	18/20A
Charger	MPPT	MPPT	MPPT	MPPT
PCU Overload/PCU Short Circuit	110%/300%	110%/300%	110%/300%	110%/300%
Technology	DSPIC Micro Controller based design			
Auto Reset Feature	YES	YES	YES	YES
Operating Temperature	0°C-45°C	0°C-45°C	0°C-45°C	0°C-45°C
MAX PV Power	675W	1300W	1950W	2600W
Solar Current MAX.	32A	60A	50A	68A
Dimension (L*W*H) w/o packaging	308*275*158	315*275*258	315*275*308	375*275*308
Dimension (L*W*H) with packaging	370*345*235	385*350*338	385*350*385	445*350*385

Solar PCU

SOLAR SMARTMAX

MODELS

PARAMETER	SOLAR SMART MAX 3600	SOLAR SMART MAX 4100	SOLAR SMART MAX 6100	SOLAR SMART MAX 6600	SOLAR SMART MAX 11100
Capacity (VA)	2500VA	3000VA	5000VA	5500VA	10000VA
Maximum Bulb Load (W)	2500W	3000W	5000W	5500W	10000W
Battery Voltage	24V	48V	48V	96V	120V
Product Warranty	3 Years	3 Years	3 Years	3 Years	3 Years
Transformer Warranty	10 Years	10 Years	10 Years	10 Years	10 Years
Voc Range	30V ~ 110V	70V ~ 180V	70V ~ 180V	180V ~ 510V	180V ~ 510V
Input Voltage (Wide Mode)	120V~290V	120V~290V	120V~290V	120V~290V	120V~290V
Input Range (Narrow Mode)	170V~270V	170V~270V	170V~270V	170V~270V	170V~270V
Output Voltage on Mains Mode	Same as Input	Same as Input	Same as Input	Same as Input	Same as Input
Output Voltage on Backup Mode	225V	225V	225V	225V	225V
Output Frequency on Backup Mode	50Hz	50Hz	50Hz	50Hz	50Hz
Switching from Mains to Backup and from Backup to Mains	< 10 mS	< 10 mS	< 10 mS	< 10 mS	< 10 mS
Output Waveform on Mains Mode	Sinewave	Sinewave	Sinewave	Sinewave	Sinewave
Output Waveform on Backup Mode	Sinewave	Sinewave	Sinewave	Sinewave	Sinewave
Battery Charging Current	15/20A	13/18A	20/22A	13/18A	18/20A
Charger	MPPT	MPPT	MPPT	MPPT	MPPT
PCU Overload/PCU Short Circuit	110%/300%	110%/300%	110%/300%	110%/300%	110%/300%
Technology	DSPIC Micro Controller based design				
Auto Reset Feature	YES	YES	YES	YES	YES
Operating Temperature	0°C-45°C	0°C-45°C	0°C-45°C	0°C-45°C	0°C-45°C
MAX PV Power	3300W	3900W	6550W	7150W	12000W
Solar Current MAX.	72A	35A	62.5A	30A	55A
Dimension (L*W*H) w/o packaging	440*260*440	440*260*440	440*260*440	505*345*630	630*345*730
Dimension (L*W*H) with packaging	532*350*535	532*350*535	532*350*535	685*530*830	785*530*930



SOLAR LITHIUM COMBO

Solar Lithium Battery + Solar PCU



Fast Charging



Higher Backup



Longer Cycle Life



Built In BMS for Protection



Maintenance Free Operation



Zero Acidic Fumes, Higher Safety



Compact & Lightweight

Solar Lithium Battery

EM LFP 160

EM LFP 240

Solar PCU

850VA-12V | 1200VA-12V | 1500VA-12V | 2000VA-24V

*Warranty Void if not installed as Combo

Solar PCU + Lithium Battery COMBO

Solar Lithium Battery

Lithium Solar batteries with capacity ranging from 100Ah to 150Ah and with warranty ranging of 5 years*.



Battery Management System



Cell Balancing



Thermal Protections



Water Resistance



*T&C Apply

PRODUCT SPECIFICATIONS	MODELS	
	EM LFP 160	EM LFP 240
Battery Rating	12.8V-100AH	12.8V-150AH
Battery operating Voltage (V)	10-14.6	10-14.6
Operating Temp Range	0°C~60°C	0°C~60°C
Recommended Charge Current (C)	0.5C	0.5C
Recommended Discharge Current (C)	0.5C	0.5C
Battery Weight (Kg)*	12*	14*
Warranty*	5 Years	5 Years
Battery Dimension (mm) 32 mm LxWxH	300*160*210	300*165*275
Certification	UN38.3 UN3480 MSDS CE IEC 62619 BIS	

Solar PCU + Lithium Battery COMBO

Solar PCU

Solar PCU with MPPT technology ranging from 850V to 2000V having 36 Months* warranty on the product and 120 Months* warranty on transformer.



Zero-cross transition



Superior starting current handling



Two step boost charging



Temperature guard inside



Rapid "in a wink" changeover"



Lightning protector inside



*T&C Apply

PRODUCT SPECIFICATIONS	MODELS					
	Solar Smart		Solar Smart Max			
	1400	3100	900	1400	3100	4100
Battery Voltage	12V	24V	12V		24V	48V
Voc Range	17V-27V	34V-54V	15V-52V		30V-105V	80V-165V
Input Voltage (Wide Mode)	90V-290V ± 10V					120V-280V ± 10V
Input Voltage (Narrow Mode)	170V-270V± 10V					180V-260V± 10V
Output Voltage on Mains Mode	Same as input					
Output Voltage on Backup Mode	210V+ 10%,-15%					
Output Frequency on Backup Mode	50Hz ± 0.1Hz					
Switching from Mains to Backup and from Backup to mains	Automatic					
Output Waveform on Mains mode	Same as input					
Output Waveform on Backup mode	Sine Wave					
Battery Charging Current	Constant Charging Approx 10% of the rated battery current in Ah					
Charger	CCCV					
PCU Overload/PCU Short Circuit	110%/300%					
PCU Transfer Time	<=15msec					
Technology	DSPIC BASED DESIGN					
Auto Reset Feature	yes					
Operating Temperature	0°C-45°C					
Max PV Power	1050W 990W	2010W 2000W 2160W	500W	1000W	2000W	3000W
Solar Current MAX	60A ± 3A	55A ± 3A	32AMP ± 3A	60AMP ± 3A	68AMP ± 3A	35AMP ± 3A
Type of Charge	PWM with Isolated Gate Drive		MPPT with Isolated Gate Drive			

Hybrid Inverters

Range of highly efficient
Grid Tie Inverters for homes
and industrial usage ranging
from 3kW to 10kW with
10 Years warranty*



*T&C Apply



Max. Efficiency
97.5%



Low Statup
DC Voltage



Max. DC
Overloading 30%



Wide AC
Voltage Range

Hybrid Inverters

MODELS

PARAMETER	EHY-3KW-1P	EHY-5KW-1P	EHY-10KW-3P
Warranty	10 Years	10 Years	10 Years
Max. DC Input Power (kW)	3900	6500	13000
Max. DC Input Voltage (V)	500	500	800
Start-up DC Input Voltage (V)	125	125	160
MPPT Operating Range (V)	125-500	125-500	200-650
Max. DC Input Current (A)	13	13+13	26+13
Max. Short Circuit Current (A)	17	17+17	34+17
No. of MPP Trackers	1	2	2
Rated Output Power (kW)	3000	5000	10000
Rated Output Power (VA)	3300	5500	11000
Nominal Output Voltage	230	230	400
Rated Grid Frequency (Hz)	50	50	50
Operating Phase	1	1	3
Max. AC Output Current (A)	15	25	22.7
Surge protection	type II	type II	type II
Ingress Protection	IP 65	IP 65	IP 65
Interface	RS232, RS485, CAN	RS232, RS485, CAN	RS232, RS485, CAN
Dimension (L*W*H)	330x430x229	330x430x229	386x660x250

Grid Tie Inverters

Range of highly efficient Grid Tie Inverters for homes and industrial usage ranging from 3kW to 50kW with 10 Years warranty*



GRID TIE
INVERTER

SolarLink



DC AC Normal Alarm

Power : 6000W
State : Normal

ESC ▲ ▼ ENT



Max. Efficiency
97.5%



Low Statup
DC Voltage



Max. DC
Overloading 30%



Wide AC
Voltage Range

*T&C Apply

Grid Tie Inverters

MODELS

PARAMETER	EGT-3K-1P1M	EGT-5K-1P1M	EGT-5K-3P2M
Warranty	10 Years	10 Years	10 Years
Max. DC Input Power (kW)	3.9kW	7.5kW	6kW
Max. DC Input Voltage (V)	550V	600V	1000V
Start-up DC Input Voltage (V)	80V	80V	250V
MPPT Operating Range (V)	70-500V	70-550V	200-800V
Max. DC Input Current (A)	20A	20A	12.5+12.5A
Max. Short Circuit Current (A)	30A	30A	20+20A
No. of MPP Trackers	1	1	2
Rated Output Power (kW)	3kW	5kW	5kW
Rated Output Power (VA)	3.3kVA	5.5kVA	5.5kVA
Nominal Output Voltage	L/N/E 220/230V this may be vary with grid standard	L/N/PE/220/230V this may be vary with grid standard	3L/N/PE 220/380V,240V/400V this may be vary with grid standard
Rated Grid Frequency (Hz)	50/60 Hz	50/60Hz	50/60 Hz
Operating Phase	Single Phase	Single Phase	Three Phase
Max. AC Output Current (A)	14.4A	24A	8A/PH
Surge protection	DC Type II/AC Type II	DC Type II/AC Type II	DC Type II/AC Type II
Ingress Protection	IP65	IP65	IP65
Interface	RS485/RS232/WiFi/LAN	RS485/RS232/WiFi/LAN	RS485/RS232/WiFi/LAN
Dimension (L*W*H)	280x272x184	305X280X180	330X457X185

Grid Tie Inverters

MODELS

PARAMETER	EGT-8K-3P2M	EGT-10K-3P2M	EGT-15K-3P2M
Warranty	10 Years	10 Years	10 Years
Max. DC Input Power (kW)	9.8kW	12kW	18kW
Max. DC Input Voltage (V)	1000V	1000V	1000V
Start-up DC Input Voltage (V)	250V	250V	250V
MPPT Operating Range (V)	200-800V	200V-800V	200-800V
Max. DC Input Current (A)	12.5+12.5A	12.5+12.5A	11+22A
Max. Short Circuit Current (A)	20+20A	20+20A	20+35A
No. of MPP Trackers	2	2	2
Rated Output Power (kW)	8kW	10kW	15kW
Rated Output Power (VA)	8.8kVA	11kVA	16.5kVA
Nominal Output Voltage	220V/380V,230V/400V	3L /N/PE 220/380V,240V/400V	3L /N/PE 220/380V,230V/400V
Rated Grid Frequency (Hz)	50/60 Hz	50/60 Hz	50/60 Hz
Operating Phase	Three Phase	Three Phase	Three Phase
Max. AC Output Current (A)	12.8A/PH	15.9A/PH	23.9A/PH
Surge protection	TYPE II(DC), TYPE II(AC)	DC Type II/AC Type II	INTEGRATED (TYPE III)
Ingress Protection	IP65	IP65	IP65
Interface	RS485/RS232/CAN	RS485/RS232/WiFi/LAN	RS485/RS232/WiFi/LAN
Dimension (L*W*H)	386×660×250	330×457×185	333X472X203

Grid Tie Inverters

MODELS			
PARAMETER	EGT-20K-3P2M	EGT-30K-3P2M	EGT-50K-3P4M
Warranty	10 Years	10 Years	10 Years
Max. DC Input Power (kW)	26kW	39kW	65kW
Max. DC Input Voltage (V)	1000V	1000V	1000V
Start-up DC Input Voltage (V)	250V	250V	250V
MPPT Operating Range (V)	200-850V	200-850V	200-850V
Max. DC Input Current (A)	26+26A	40+40A	40+40+40+40A
Max. Short Circuit Current (A)	39+39A	60+60A	60+60+60+60A
No. of MPP Trackers	2	2	3
Rated Output Power (kW)	20kW	30kW	50kW
Rated Output Power (VA)	22kVA	33kVA	55kVA
Nominal Output Voltage / Range (V)	3L/N/PE 220/380V 230V/400V		
Rated Grid Frequency (Hz)	50/60 Hz	50/60 Hz	50/60 Hz
Operating Phase	Three Phase	Three Phase	Three Phase
Max. AC Output Current (A)	31.9A/PH	47.85A/PH	79.64A/PH
Surge protection	DC Type II/AC Type II	DC Type II/AC Type II	DC Type II/AC Type II
Ingress Protection	IP65	IP65	IP65
Interface	RS485/RS232/WiFi/LAN	RS485/RS232/WiFi/LAN	RS485/RS232/WiFi/LAN
Dimension (L*W*H)	362X527X220	362X577X215	434X570X243

Grid Tie Inverters

Range of highly efficient Grid Tie Inverters for homes and industrial usage ranging from 3kW to 50kW with 10 Years warranty*



*T&C Apply



Max. Efficiency
97.5%



Low Statup
DC Voltage



Max. DC
Overloading 30%



Wide AC
Voltage Range

Grid Tie Inverters

MODELS

PARAMETER	ES3KWS-GT-1	ES5KWS-GT-1	ES5KWT-GT
Warranty	10 Years	10 Years	10 Years
Max. DC Input Power (kW)	4.2kW	7kW	7.5kW
Max. DC Input Voltage (V)	500V	600V	1100V
Start-up DC Input Voltage (V)	50V	70V	150V
MPPT Operating Range (V)	50-500V	70-550V	150-1000V
Max. DC Input Current (A)	18A	18+18A	15+15A
Max. Short Circuit Current (A)	20A	20+20A	25+25A
No. of MPP Trackers	1	1	2
Rated Output Power (kW)	3kW	5kW	5kW
Rated Output Power (VA)	3.3kVA	5.5kVA	5.5kVA
Nominal Output Voltage	L/N/E 220/230V	L/N/E,220V,230V,240V	3L+N+PE 220/380V,230/400V
Rated Grid Frequency (Hz)	50/60 Hz	50/60Hz	50/60Hz
Operating Phase	Single Phase	Single Phase	Three Phase
Max. AC Output Current (A)	15A	24A	8.5/PH
Surge protection	INTEGRATED (TYPE III)	INTEGRATED (TYPE III)	INTEGRATED (TYPE III)
Ingress protection	IP65	IP65	IP65
Interface	RS485/RS232/WiFi/LAN	RS485/RS232 /Wire Ethernet/ GPRS (Optional)	RS485/WiFi /Wire Ethernet/ GPRS (Optional)
Dimension (L*W*H)	330x323x190	358X360X142	370x510x167

Grid Tie Inverters

MODELS

PARAMETER	ES8KWT-GT	ES10KWT-GT	ES15KWT-GT
Warranty	10 Years	10 Years	10 Years
Max. DC Input Power (kW)	12kW	15kW	22.5kW
Max. DC Input Voltage (V)	1100V	1100V	1100V
Start-up DC Input Voltage (V)	150V	150V	150V
MPPT Operating Range (V)	150-1000V	150-1000V	150-1000V
Max. DC Input Current (A)	15+15A	15+15A	20+32A
Max. Short Circuit Current (A)	25+25A	25+25A	30+48A
No. of MPP Trackers	2	2	2
Rated Output Power (kW)	8kW	10kW	15kW
Rated Output Power (VA)	8.8kVA	11kVA	16.5kVA
Nominal Output Voltage / Range (V)	3L+N+PE 220/380V,230/400V		
Rated Grid Frequency (Hz)	50/60Hz	50/60Hz	50/60Hz
Operating Phase	Three Phase	Three Phase	Three Phase
Max. AC Output Current (A)	13.5A/PH	17A/PH	27A/PH
Surge protection	INTEGRATED (TYPE III)	INTEGRATED (TYPE III)	INTEGRATED (TYPE II)
Ingress Protection	IP65	IP65	IP65
Interface	RS485/WiFi / Wire Ethernet/GPRS (Optional)	RS485/WiFi /Wire Ethernet/ GPRS (Optional)	RS485/RS232/WiFi/LAN
Dimension (L*W*H)	370x510x165	370X510X192	330x457x185

Grid Tie Inverters

MODELS

PARAMETER	ES20KWT-GT	ES30KWT-GT	ES50KWT-GT	ES-110K-GT
Warranty	10 Years	10 Years	10 Years	10 Years
Max. DC Input Power	30kW	45kW	75kW	121kW
Max. DC Input Voltage	1100Vdc	1100Vdc	1100Vdc	1000Vdc
MPPT Voltage Range	150-1000Vdc	200-1000Vdc	200-1000Vdc	250-850Vdc
Start Up Voltage	150Vdc	200Vdc	200Vdc	250Vdc
Max. DC Input Current	2x32Adc	2x32Adc	3x40Adc	6x40Adc
Max. Short Circuit input current	2x48Adc	2x48Adc	3x48Adc	6x60Adc
No. of MPPT	2	2	3	6
Rated AC Grid Voltage	3L+N+PE 220/380, 230/400V			
Rated AC Grid Frequency	50/60Hz			
Rated AC Output Power	20kW	30kW	50kW	110kW
No. of Phase	3			
Max. Continuous Output Power	22kW	33kW	55kW	121kVA
Max. AC output Current	32A/Ph	48A/Ph	80A/Ph	183.3A/Ph
Power Factor	1 (-0.8 to +0.8)			
Ingress Protection	IP 65			
Interface	RS485/RS232/Wi-fi/LAN			
Dimension (LxWxH)	330x457x185	450x485x210	710x470x236	838x568x356

Grid Tie Inverters

Range of highly efficient Grid Tie Inverters for homes and industrial usage ranging from 3kW to 5kW with 10 Years warranty*



Max. Efficiency
97.5%



Low Statup
DC Voltage



Max. DC
Overloading 30%



Wide AC
Voltage Range

Grid Tie Inverters

MODELS

PARAMETER	TGT-3K-1P1M	TGT-5K-1P1M
Max. DC Power [W]	4500	7000
Max. DC Voltage [Vdc]	500	550
Min. System Start [Vdc]	75	75
MPPT Voltage Range [Vdc]	100-450	100-500
Max. Input MPPT Current [Adc]	18	22
Max. Input Short-Circuit Current per MPPT [Adc]	23	28
Number of MPP Tracker	1	1
Max. Number of String (Parallel)	1	1
Maximum Active Power [W]	3000	5000
Nominal Output Power [W]	3300	5500
Maximum Apparent Output Power [VA]	3300	5500
Nominal Output Voltage/Range [Vac]	230/180-270	
AC Grid Frequency/Range [Hz]	50/60 Hz / ± 4.5 auto selection	
Maximum Output Current [Aac]	16	23
AC Connection (with PE)	1P+N+PE (Single Phase)	
Current Distortion (THDi) [%]	<1.5%	
Power Factor	-0.8 to +0.8	
Maximum Conversion Efficiency [%]	97.5	
European Efficiency [%]	97.2	
MPPT Efficiency [%]	99.99	
Dimension (L/W/H) [mm]	300/295/105	370/290/103
Ingress Protection	IP 65	

Solar Batteries

Solar batteries with capacity ranging from 120Ah to 260Ah and with warranty ranging from 6 years* to 10 years*



*T&C Apply



Lowest Electricity Consumption in Recharging



Easy Recovery After Idle Period



Less Fumes Generation



Low Water Loss



Low Cost of Ownership



5% Extra Capacity & Backup WRT Rated Capacity

Solar Batteries

Regular Series						
Model	Nominal Voltage (V)	Rated Capacity 10 Hr @ 27°C (Ah)	Dimensions (mm)			Warranty* (Months)
			Length (±3 mm)	Width (±3 mm)	Height (±3 mm)	
EM150SB	12	150	506	192	405	60+60
EM200SB	12	200	506	192	405	60+60
EM260SB	12	260	506	207	405	60+60
EM12072SB	12	120	506	192	405	36+36
EM15072SB	12	150	506	192	405	36+36
EM20072SB	12	200	506	192	405	36+36

Solar Batteries

Solar batteries with capacity ranging from 40Ah to 200Ah and with warranty ranging from 6 years* to 10 years*



Lowest Electricity Consumption in Recharging



Easy Recovery After Idle Period



Less Fumes Generation



Low Water Loss



Low Cost of Ownership



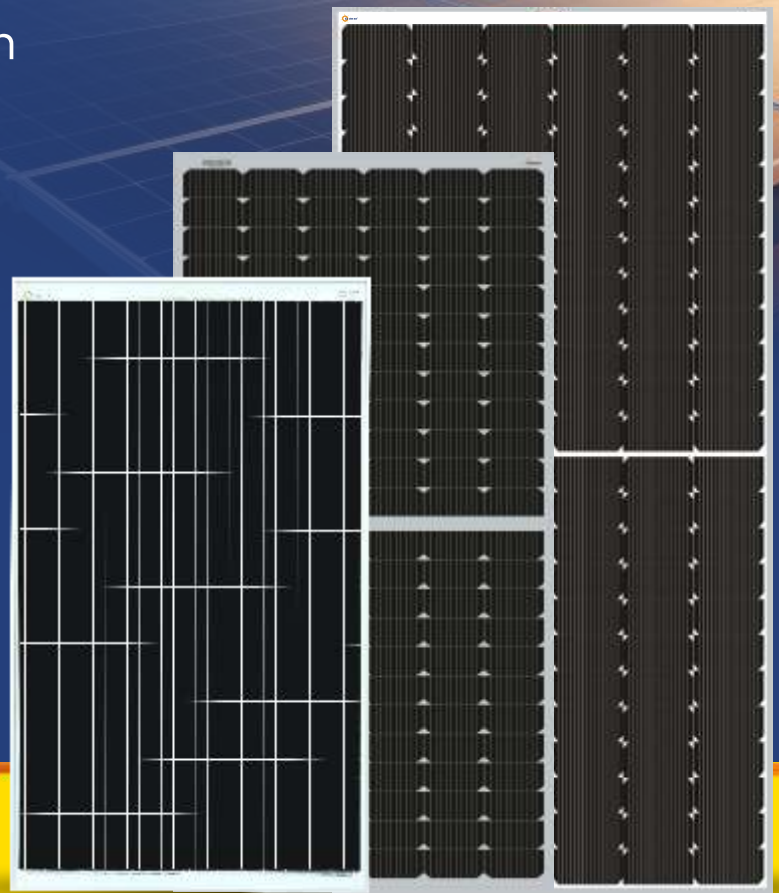
5% Extra Capacity & Backup WRT Rated Capacity

Solar Batteries

Smart Series						
Model	Nominal Voltage (V)	Rated Capacity 10 Hr @ 27°C (Ah)	Dimensions (mm)			Warranty* (Months)
			Length (±3 mm)	Width (±3 mm)	Height (±3 mm)	
EM700SSR	12	40	411	172	235	36+36
EM1050SSR	12	75	411	172	235	36+36
EM1300SSR	12	100	512	212	273	36+36
EM1500SSR	12	120	506	192	405	36+36
EM1800SSR	12	150	506	192	405	36+36
EM2300SSR	12	200	506	192	405	36+36
EM1560SSR	12	150	506	192	405	60+60
EM2060SSR	12	200	506	192	405	60+60

Solar Panels

A wide selection of DCR and Non-DCR Solar Panels, ranging from 50 Watt to 590 Watt and with 25 Years of Warranty*, giving you the flexibility to meet both technical and regulatory needs.



Superior Module Efficiency as per International Benchmarks



Glass with Anti Reflective Coating Improves Light Transmission



Excellent Anti PID (Potential Induced Degradation) Performance



Sustain Heavy Wind & Snow Loads (2400 Pa & 5400 Pa)

*T&C Apply

Solar Panels

MODELS				
PARAMETER	EMP50W	EMP125W	EMP210W	ETP545W DCR
Model Type	Mono-Crystalline			
System Voltage	1000VDC	1000VDC	1000VDC	1500VDC
Busbar	P Type 10BB	P Type 12BB	P Type 12BB	P Type 10BB
Rating Wp	50W	125W	210W	545W
Panel Voltage	12V	12V	12V	24V
Dimension (L*W*H)	415X615X30	1010X665X35	1485x665x35	2278x1134x35
Weight (In kg)	4.5Kg	7.300Kg	10.780Kg	28.00Kg
Pallet dimension	700x455x85	1035x690x95	1515x695x95	2290x1000x1227
Product Warranty	25 years	25 years	25 years	25 years

MODELS				
PARAMETER	EBP550W DCR	ETP550W NON DCR	EBP550W NON DCR	G2G1770-HAD
Model Type	Mono-Crystalline Bi-Facial	Mono-Crystalline	Mono-Crystalline Bi-Facial	Top-Con
System Voltage	1500V DC	1500V DC	1500V DC	1500V DC
Busbar	P Type 10BB	P Type 10BB	P Type 10BB	N Type 16BB
Rating Wp	550W	550W	550W	590W
Panel Voltage	24V	24V	24V	24V
Dimension in mm (LxWxH)	2278x1134x35	2278x1134x35	2278x1134x35	2278x1134x35
Weight (In kg)	28.00Kg	28.00Kg	28.00Kg	33.532Kg
Pallet Dimension in mm (LxWxH)	2290x1000x1227	2290x1000x1227	2290x1000x1227	2286x1016x145
Product Warranty	25 years	25 years	25 years	25 years

Solar Charge Controller



Technical Specifications

Model	SCC 10A/ 20A/ 30A 12V/24V (Auto)
Operating Temp.	-20 °C to 50 °C
Recommended Battery (Ah)	<120-200Ah (As per SCC Rating)
Charger Type	PWM
Electrical	
Nominal Working Voltage	1224 VDC
Charging Current Solar	10A / 20A / 30A $\pm$ 10%
Charge Controlled Efficiency	>95%
Solar VOC Working Range	15-27V-12V (Batt) $\pm$ 2%
	27-54V-24V (Batt) $\pm$ 2%
Solar High (VOC) Range	30V-12V (Batt) $\pm$ 2%
	60V-24V (Batt) 3 2%
Boost Voltage Tubular Battery	14.7V $\pm$ 2% (Batt) $\pm$ 2%
Display Parameter(LED Display)	
For 30A Battery Voltage Battery Current Seven Segment Display: for 10A-20A LED indication	1 Battery Reverse Polarity 2 Solar Reverse Polarity 3 Over Current SPV 4 Solar Low Voltage 5 Solar High Voltage
Ingress Protection	P-20
Fixing	Wall Mount



For Complaint Registration
Scan QR Code



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