

# POWERCUSE

Datasheets



Commercial On-Grid Photovoltaic System Kits

# ON-GRID COMMERCIAL

10kW / 15kW / 20kW / 30kW / 60kW / 100kW



## Product Description

Omnis Power Solar's Commercial Solar PV Kits are ideally suited for any business that is looking to reduce rising energy costs and hedge against future energy inflation. Our pre-engineered kits are suitable for most installation sites including commercial roof tops and ground mountingl ocations.



#### Help the environment

Business owners reduce electricity costs whilst simultaneously promote their brand commitment to the environment and enhace their social corporate responsibility.



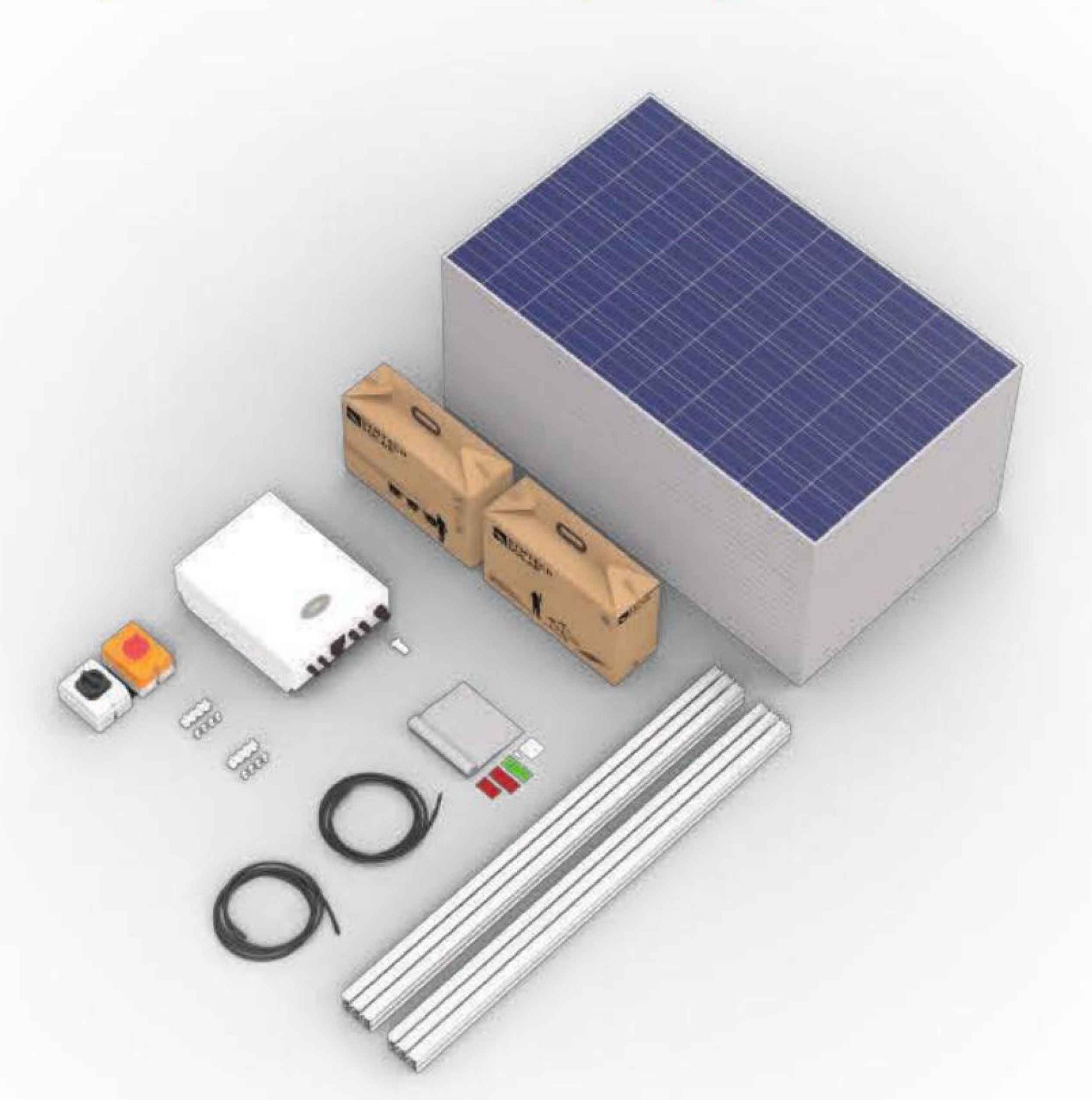
#### Increase your value

Depreciate financial contributions and sell any excess electricity generated by the system back to the grid. Increase the ROI and enjoy added marketing benefits from a highly visible landmark.



#### Great adaptability

Let our systems fit in your needs. We offer flexible design to serve space restricted areas. They come in a variety of inverter voltage ranges which can be adapted to site-specific electrical requirements.



## What's in the Box

- Solar modules
- Solar on-grid inverter (3 phase)
- Custom roof mounting system
- PV wiring harnesses
- DC and AC disconnects
- Wire management kit
- Safety label kit
- Single and three-line electrical and mechanical schematics



# Solar Power for your Business

Offered in both pre-configured and site specific designs, PV systems save time and money when planning and adopt ing solar into commercial settings.

Designed to match your business's requirements, commercial PV systems are delivered install ready and hold internationally compliant certifications. Directly shipped from our facilities in Shanghai, China, our Commercial line is ideally suited for businessapplications.

## Product Benefits

- Hedge yourself against future
   Factories utility increases
- Sell excessive power back to the utility grid (net metering)
- Solar modules have up to a 25-year warranty and a typical lifetime of 40+ years
- Reduce your building operationg costs
- Low maintenance/high reliability


# Common Applications

- Distribution cnters
- Shopping centers
- Office buildings
- Libraries
- Churches
- Schools

## Commercial On-Grid PV Kits

PRODUCT MOD	SYSTEM SIZE		15KW	20KW	30KW	60KW	100KW
PRODUCT MODEL		PCC-10KW	PCC-15KW	PCC-20KW	PCC-30KW	PCC-60KW	PCC-100KW
PV System size I	Nominal(Wp)	9900W	15300W	21600W	30600W	61200W	102600W
V MODULE SI	PECIFICATION (MC	NO)					
Panel Model				OP450	M72-P3		
Power(W)		450					
Vmp(V)		40.8					
Voc(V)		48.9					
lsc(A)		11.24					
mp(A)				10	).67		
Dimen sions(L x W x H)(mm)		2110x1046x35mm					
PV module weigh	nt(kg)			28	8.6		
Certifications				VDE CE CEC	ETL INMETRO		
NVERTER SPE	ECIFICATIONS (600	VDC)					
Inverter Size(kw)		10	15	20	30	60	100
Max DC Power(W)		11500	16500	23000	34000	78000	130000
/lax DC Voltage(	(V)			10	00		
MPPT Voltage range(V)		200-800					
No.of MPPT'S			2			4	
Max AC Power(VA)		11000	15000	2000	30000	66000	55000
/lax Output Curr	ent(A)	14.5	23.9	3*33.5	3*48	3*92	3*83
	/Voltage Range(V)	220/230/240 180-280V					
AC Grid Freque ncy range(Hz)		50/60					
Number of phase					3		
Dimensions(L x W x H)(mm)		534*419*201	534*419*179	555*44	16*270	855*	555*275
Inverter weight(kg)		30	32	37	40	67	
Certifications				31000-6-3 FN6100	00-3-2 VDE4105 E	N50549 CFI0-21	
	salsovailable upon reques	st					
BOS	Jaiooranabio apon 104ao						
#DC Isolator 1200V		2	2	2	2	2	2
#AC Isolator		1	1	4			
AC Isolator					1	1	1
		1	1	1	1	1	1
‡AC Breaker	ss.4mm(meters)	1	1	1	1 1 1	1 1 1	1 1 2
#AC Breaker PV Wire Harmes		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 100	1 1 200	1 1 1 300	1 1 1 300	1 1 2 400
#AC Isolator #AC Breaker PV Wire Harmes Ground Wire.4m Battery Cables		1 1 1 100	1 1 100	1 1 200 N/A		1 1 1 300	1 1 2 400
AC Breaker PV Wire Harmes Ground Wire.4m	nm(meters)	1 1 100	1 1 100	9-3 K 9-1		1 1 300	1 2 400
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AC Breaker PV Wire Harmes Ground Wire.4m Battery Cables Extra wire is availa SYSTEMLAYOU F of Modules Of inverters PV Layout option	nm(meters)  le upon request  UT			48	68		
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AC Breaker PV Wire Harmes Ground Wire.4m Battery Cables Extra wire is availa SYSTEMLAYOU of Modules of inverters PV Layout option PV Arrary Surface	nm(meters)  le upon request  UT  se Area(m2)  t(kg)	22 48.56 629.2	75.04 972.4	48  Landscape 105.93 1372.8	68 or Portrait 150.08 1944.8	136 300.16 3889.6	228 503.2 6520.8
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*AC Breaker PV Wire Harmes Ground Wire.4m Battery Cables Extra wire is avaib SYSTEMLAYOU for Modules of inverters PV Layout option PV Arrary Surface PV Arrary Weigh PV Module Configuration 1000VDC PRODUCTION Projectedyearly of	nm(meters)  le upon request  UT  ls  le Area(m2)  t(kg)  No.of PV Modules/String  Total Strings  String Voc  String Vmp  String Imp  ESTIMATES(KWh)  outputat 1100GHI/year  outputat 1825GHI/year  system deraling(formula=1	22 48.56 629.2 2 1075.8 897.6 9256.5 12285.9 15357.4	75.04 972.4 34 2 1662.6 1387.2	48  Landscape 105.93 1372.8 48 4 2347.2 1958.4 10. 20196 26805.6 33507.0	68 for Portrait 150.08 1944.8 68 4 3325.2 2774.4 67 28611 37974.6 47468.3	300.16 3889.6 136 8 6650.4 5548.8	228 503.2 6520.8 228 12 5574.6 4651.2 95931 127326.6
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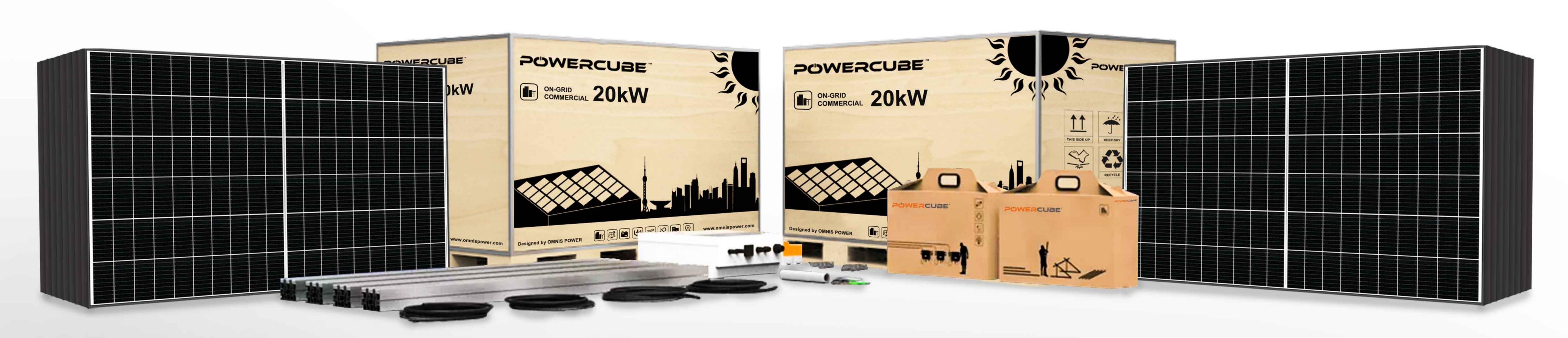
# Commercial On-Grid Example Layout(20kW)





## The all-in-one Box Solution

The difference is clear, get better results with our all in a box packaging solutions. Omnis Power Solar's heavy duty ISPM15 compliant care design not only protects the contents during international shipping but also ensures that the solar kits arrive to their destination site undamaged and ready for installation. Omnis Power Solar's BOS toolboxes are included in all our solar kits and designed with the installer in mind. With years of installation experience, we understand the benefits of having a safe and well organized jobsite.



Omnis Power | Product Line

## Packaging Specs

Designed to be warehouse friendly for distribution centers and local logistics companies, our kits are easily stacked, inventoried, and consolidated.

#### 10kW

1.8 x 1 x 1 2 pallets per kit 6 kits per 20' 12 kits per 40'



## 20kW

1.8 x 1 x 1 8 pallets per kit 1 kits per 20' 3 kits per 40'



## 60kW

1.8 x 1 x 1 20 pallets per kit

1 kit per 40'



## 15kW

1.8 x 1 x 1 4 pallets per kit 3 kits per 20' 6 kits per 40'



## 30kW

1.8 x 1 x 1 12 pallets per kit 1 kits per 20' 2 kits per 40'



## 100kW

1.8 x 1 x 1 20 pallets per kit

1 kit per 40'

