

Oasis Containerised Solar Generator 60kW to 240kW in 40' ISO Container

Compact Solar Energy Systems with built-in efficiency

Containerised Solar Generator is a compact & robust unit with a "Redeployable" module mounting aluminium structure. It houses reliable and efficient components to meet highly demanding requirements with greatest efficiency.

When deployed, the PV surface extends beyond the container to capture maximum solar energy. The structure can also be dismantled and stored inside the container ensuring safety during transportation. A compartmentalized section of the enclosure can be utilised as an operator room or to house DG sets.



Defence

Reliable solar power to meet the energy requirements of mission critical defense applications



Remote Applications

Ideal source of energy for areas that are too remote to be supplied by the grid



Disaster Management

Immediate source of power for areas affected by disaster



Telecom

Innovative & reliable solar power for mobile applications



Rural Electrification

Clean power for rural areas which do not have access to energy



Oil and Gas

Clean power & remote oil and gas exploration

Specifications	SCPV40-60K	SCPV40-90K	SCPV40-120K	SCPV40-150K	SCPV40-180K	SCPV40-240K
Maximum Power Out Put	60KW	90KW	120KW	150KW	180KW	240KW
Peak Solar Power Input	48KWp	72KWp	120KWp	144KWp	168KWp	192KWp
Average Daily Solar Energy	240KWh	360KWh	600KWh	720KWh	840KWh	960KWh
Battery Bank Capacity	180KWh	360KWh	540KWh	720KWh	900KWh	1080KWh
Battery Bank Design Life	5 – 7 Years	5 – 7 Years	5 – 7 Years	5 – 7 Years	5 – 7 Years	5 – 7 Years
Solar Panel Mounting Structure	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Climate Controlled Container Size	40' ISO	40' ISO	40' ISO	2 x 40' ISO	2 x 40' ISO	2 x 40' ISO
Typical Daily Energy Out Put	220KWh	350KWh	550KWh	650KWh	750KWh	850KWh
Typical Load	15KW	25KW	40KW	50KW	60KW	70KW
Maximum Load	45KW	60KW	80KW	100KW	120KW	160KW
Area Required for Installation	450m ²	650m ²	1000m ²	1200m ²	1400m ²	1600m ²
Optional Diesel Generator	60KVA	100KVA	120KVA	150KVA	200KVA	250KVA

Oasis Containerised Solar Generator 60kW to 240kW in 40' ISO Container



Dependable power in demanding environments

Containerised Solar Generator is Scaleable and compact power unit capable of delivering uninterrupted clean power.

Ranging from 60kW to 240kW peak power output and an average Solar Energy storage of between 180kWh to 540kWh per day. The Containerised Solar Generator is a quickly deployable, highly insulated temperature controlled environment, ready to use, factory assembled all weather solar power station. It is designed to meet the reliability, durability and efficiency required in demanding projects regardless of their scale, location or environment.

Containerised Solar Generator delivers 24 x 7 uninterrupted power through Solar PV Modules / Battery Bank or Diesel Generator set depending on the availability of Solar source.

Key Features & Benefits

- Ready to use Mobile Solar Power System
- 24 x 7 availability of power
- Easy installation with minimal set-up time and no civil work
- Easily transportable and re-deployable
- Collapsible module mounting structure
- Easily integrates with grid supply and diesel generators to provide a complete hybrid solution.

Quick to Deploy – Easily Transportable – Temperature controlled Environment for Long System Life