

# **Concentrating Solar Power Market by Technology (Power Towers, Concentrating Systems, Stirling Dish), Operation (Stand-alone, Storage), Capacity (Less than 50MW, 50-99MW, 100MW&Above), End-User (Utilities, EOR & Others) and Region - Global Forecast to 2025**

<https://marketpublishers.com/r/CF50176B3F3EN.html>

Date: July 2020

Pages: 187

Price: US\$ 4,950.00 (Single User License)

ID: CF50176B3F3EN

## **Abstracts**

“The global concentrating solar power market size is projected to grow at a CAGR of 16.4%, from 2020 to 2025.”

The concentrating solar power market is projected to grow from an estimated USD 3.5 billion in 2020 to USD 7.6 billion by 2025, at a CAGR of 16.4% from 2020 to 2025. The environmental concerns over carbon emissions and efforts to reduce air pollution, policy support from governments to enable adoption of renewable technologies, and the integrability of CSP systems with thermal storage systems are the key factors driving the concentrating solar power market. Middle East & Africa and Asia Pacific are expected to be the largest markets for concentrating solar power during the forecasted year. The higher cost of generation compared to other renewable technologies are key pain points for concentrating solar power that can restrain the growth of the market during the forecast period.

“The solar power towers segment is expected to hold the largest share of the concentrating solar power market, by technology, during the forecast period.”

The solar power towers segment is estimated to be the fastest-growing segment of the concentrating solar power market, by technology, from 2020 to 2025. The solar power tower segment is getting a boost due to the the higher temperatures that can allow higher efficiency of the steam cycle and decrease water consumption for cooling the condenser. The higher temperature uses thermal energy storage for achieving

schedulable power generation. Thus, increasing adoption of solar power towers due to reduction in cost or allowing greater storage for the same price is expected to drive the solar power tower segment at the highest pace during the forecast period.

“Asia Pacific: The fastest growing market for concentrating solar power.”

The Asia Pacific region is projected to grow at the fastest rate, from 2020 to 2025, followed by Middle East & Africa and North America. The region consists of major CSP installations in countries such as China, Australia and India. China is projected to grow at the highest CAGR from 2020 to 2025. This is mainly due to the increasing investment in CSP for stabilizing power grid is driving this country. In addition, the region focuses on the need to generate continuous renewable electricity to support growing economic activities will drive the concentrating solar power market in Asia Pacific region..

Breakdown of Primaries:

In-depth interviews have been conducted with various key industry participants, subject-matter experts, C-level executives of key market players, and industry consultants, among other experts, to obtain and verify critical qualitative and quantitative information, as well as to assess future market prospects. The distribution of primary interviews is as follows:

By Company Type: Tier 1- 55.0%, Tier 2- 26.1%, Tier 3- 18.9%

By Designation: C-Level Executives- 43.1%, Managers- 37.9%, Others- 19.0%

By Region: Asia Pacific- 26.2%, Middle East & Africa- 41.5%, Europe- 18.4%, North America- 0.7% and South America- 0.5%

Note: The tier of the companies has been defined based on their total revenue; as of 2017: Tier 1 = >USD 5 billion, Tier 2 = USD 1 billion to USD 5 billion, and Tier 3 =

## Contents

### 1 INTRODUCTION

#### 1.1 STUDY OBJECTIVES

#### 1.2 MARKET DEFINITION

1.2.1 CONCENTRATING SOLAR POWER MARKET, BY TECHNOLOGY:  
INCLUSIONS & EXCLUSIONS

1.2.2 CONCENTRATING SOLAR POWER MARKET, BY CAPACITY:  
INCLUSIONS & EXCLUSIONS

1.2.3 CONCENTRATING SOLAR POWER MARKET, BY OPERATION TYPE:  
INCLUSIONS & EXCLUSIONS

1.2.4 CONCENTRATING SOLAR POWER MARKET, BY END USER:  
INCLUSIONS & EXCLUSIONS

#### 1.3 MARKET SCOPE

1.3.1 MARKET SEGMENTATION

1.3.2 REGIONAL SCOPE

#### 1.4 YEARS CONSIDERED

#### 1.5 CURRENCY

#### 1.6 LIMITATIONS

#### 1.7 STAKEHOLDERS

#### 1.8 SUMMARY OF CHANGES

### 2 RESEARCH METHODOLOGY

#### 2.1 RESEARCH DATA

##### FIGURE 1 CONCENTRATING SOLAR POWER MARKET: RESEARCH DESIGN

##### 2.1.1 SECONDARY DATA

2.1.1.1 Key data from secondary sources

##### 2.1.2 PRIMARY DATA

2.1.2.1 Key data from primary sources

2.1.2.2 Break-up of primaries

#### 2.2 SCOPE

##### FIGURE 2 MAIN METRICS CONSIDERED WHILE ASSESSING DEMAND FOR CONCENTRATING SOLAR POWER MARKET

#### 2.3 MARKET SIZE ESTIMATION

2.3.1 BOTTOM-UP APPROACH

2.3.2 DEMAND-SIDE ANALYSIS

##### FIGURE 3 ESTIMATING MARKET SIZE THROUGH YEAR-ON-YEAR CAPACITY

## ADDITION OF CONCENTRATING SOLAR POWER TECHNOLOGY ACROSS COUNTRIES

2.3.2.1 Key assumptions

2.3.2.2 Calculation

2.3.2.3 Capex cost projection

FIGURE 4 GLOBAL AVERAGE CAPEX COST OF CSP TECHNOLOGIES INTEGRATED WITH STORAGE, 2018–2025 (USD/KW)

FIGURE 5 GLOBAL AVERAGE CAPEX COST OF STAND-ALONE SYSTEMS CSP TECHNOLOGIES, 2018–2025 (USD/KW)

2.3.3 FORECAST

2.3.4 SUPPLY-SIDE ANALYSIS

FIGURE 6 ESTIMATION OF MARKET SIZE THROUGH REVENUE OF MAJOR TECHNOLOGY PROVIDERS IN CSP MARKET ACROSS REGIONS

2.3.4.1 Supply-side calculation

## 3 EXECUTIVE SUMMARY

### 3.1 SCENARIO ANALYSIS

FIGURE 7 SCENARIO ANALYSIS: CONCENTRATING SOLAR POWER MARKET, 2018–2025

3.1.1 OPTIMISTIC SCENARIO

3.1.2 REALISTIC SCENARIO

3.1.3 PESSIMISTIC SCENARIO

TABLE 1 CONCENTRATING SOLAR POWER MARKET SNAPSHOT

FIGURE 8 MIDDLE EAST & AFRICA DOMINATED CONCENTRATING SOLAR POWER MARKET IN 2019

FIGURE 9 SOLAR POWER TOWERS SEGMENT IS EXPECTED TO CONTINUE TO HOLD LARGEST SHARE OF CONCENTRATING SOLAR POWER MARKET, BY TECHNOLOGY, DURING FORECAST PERIOD

FIGURE 10 UTILITIES IS EXPECTED TO CONTINUE TO LEAD CONCENTRATING SOLAR POWER MARKET, BY END USER, DURING FORECAST PERIOD

## 4 PREMIUM INSIGHTS

### 4.1 ATTRACTIVE OPPORTUNITIES IN CONCENTRATING SOLAR POWER MARKET

FIGURE 11 GROWING EMPHASIS TO INTEGRATE CSP IN HYBRID POWER PLANTS IS EXPECTED TO DRIVE CONCENTRATING SOLAR POWER MARKET DURING 2020–2025

### 4.2 CONCENTRATING SOLAR POWER MARKET, BY REGION

FIGURE 12 ASIA PACIFIC CONCENTRATING SOLAR POWER MARKET IS EXPECTED TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

4.3 ASIA PACIFIC CONCENTRATING SOLAR POWER MARKET, BY END USER & COUNTRY

FIGURE 13 UTILITIES AND CHINA DOMINATED ASIA PACIFIC CONCENTRATING SOLAR POWER MARKET, BY END USER AND COUNTRY, RESPECTIVELY, IN 2019

4.4 CONCENTRATING SOLAR POWER MARKET, BY OPERATION TYPE

FIGURE 14 BY OPERATION TYPE, WITH STORAGE SEGMENT HAS DOMINATE CONCENTRATING SOLAR POWER MARKET, 2019

4.5 CONCENTRATING SOLAR POWER MARKET, BY CAPACITY

FIGURE 15 BY CAPACITY, 100 MW AND ABOVE SEGMENT HAS THE LARGEST MARKET SHARE IN 2019

4.6 CONCENTRATING SOLAR POWER MARKET, BY END USER

FIGURE 16 BY END USER, UTILITIES SEGMENT HAS DOMINATE THE MARKET IN 2019

## **5 MARKET OVERVIEW**

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 17 CONCENTRATING SOLAR POWER MARKET: MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Growing environmental concerns over carbon emissions and efforts to reduce air pollution

FIGURE 18 SOURCES OF CARBON DIOXIDE EMISSIONS IN US, 2018

5.2.1.2 Policy support from government to enable adoption of renewable technologies

5.2.1.3 Effective integration of CSP systems with thermal storage systems

TABLE 2 CSP TOWER PROJECTS WITH STORAGE IN 2017

5.2.2 RESTRAINTS

5.2.2.1 Higher cost of generation compared to other renewable technologies

TABLE 3 GLOBAL LCOE RANGE FOR RENEWABLE TECHNOLOGIES, 2017

FIGURE 19 TOTAL INSTALLED COST BREAKDOWN FOR 100 MW PARABOLIC TROUGH

FIGURE 20 TOTAL INSTALLED COST BREAKDOWN FOR 100 MW SOLAR TOWER

5.2.3 OPPORTUNITIES

5.2.3.1 Integration of CSP in hybrid power plants

5.2.3.2 Use of CSP in desalination and enhanced oil recovery processes

5.2.4 CHALLENGES

5.2.4.1 Technical complexities of CSP plant

5.2.4.2 Solar PV is cheaper than CSP

FIGURE 21 GLOBAL ANNUAL SOLAR PV DEPLOYMENT, IN GW, 2018

5.3 VALUE CHAIN ANALYSIS

FIGURE 22 CONCENTRATING SOLAR POWER: VALUE CHAIN

5.3.1 PROJECT DEVELOPMENT

5.3.2 MATERIAL

5.3.3 COMPONENTS

5.3.4 PLANT ENGINEERING & CONSTRUCTION

5.3.5 OPERATION

5.3.6 DISTRIBUTION

5.4 TECHNOLOGY ANALYSIS

5.4.1 TEMPERATURE AND EFFICIENCY LIMITATION

5.4.2 NREL SUNSHOT INITIATIVE

5.4.3 MICRO-CSP

5.5 CASE STUDY ANALYSIS

5.5.1 CRESCENT DUNES USES SOLAR POWER TOWER CSP FOR UTILITIES

TABLE 4 CRESCENT DUNES PROJECT STATISTICS

5.5.2 SUPCON DELINGHA 50MW MOLTEN SALT TOWER CSP USES SOLAR POWER TOWER CSP FOR UTILITIES

TABLE 5 SUPCON DELINGHA PROJECT STATISTICS

## **6 IMPACT OF COVID-19 ON CONCENTRATING SOLAR POWER MARKET, SCENARIO ANALYSIS, BY REGION**

6.1 INTRODUCTION

6.1.1 IMPACT OF COVID-19 ON GDP

TABLE 6 GDP ANALYSIS (IN PERCENTAGE)

6.1.2 SCENARIO ANALYSIS OF GLOBAL POWER SECTOR

FIGURE 23 ANNUAL AVERAGE GROWTH RATE OF ELECTRICITY DEMAND, 2017–2020

6.1.3 OPTIMISTIC SCENARIO

TABLE 7 OPTIMISTIC SCENARIO: CONCENTRATING SOLAR POWER MARKET, BY REGION, 2018–2025 (USD MILLION)

6.1.4 REALISTIC SCENARIO

TABLE 8 REALISTIC SCENARIO: CONCENTRATING SOLAR POWER MARKET, BY REGION, 2018–2025 (USD MILLION)

6.1.5 PESSIMISTIC SCENARIO

TABLE 9 PESSIMISTIC SCENARIO: CONCENTRATING SOLAR POWER MARKET,

BY REGION, 2018–2025 (USD MILLION)

## **7 CONCENTRATING SOLAR POWER MARKET, BY TECHNOLOGY**

### 7.1 INTRODUCTION

FIGURE 24 CONCENTRATING SOLAR POWER MARKET, BY TECHNOLOGY, 2019

TABLE 10 CONCENTRATING SOLAR POWER MARKET, BY TECHNOLOGY, 2018–2025 (USD MILLION)

### 7.2 SOLAR POWER TOWERS

7.2.1 HIGHER EFFICIENCY OF STEAM CYCLE AND POTENTIAL TO REACH HIGH TEMPERATURES ARE DRIVING MARKET

TABLE 11 SOLAR POWER TOWERS: CONCENTRATING SOLAR POWER MARKET SIZE, BY REGION, 2018–2025 (USD MILLION)

### 7.3 LINEAR CONCENTRATING SYSTEMS

7.3.1 REDUCED CAPEX COST AND ABILITY TO GENERATE HIGHER TEMPERATURE ARE DRIVING MARKET

TABLE 12 LINEAR CONCENTRATING SYSTEMS: CONCENTRATING SOLAR POWER MARKET, BY REGION, 2018–2025 (USD MILLION)

### 7.4 STIRLING DISH TECHNOLOGY

7.4.1 NEED FOR MODULAR SYSTEMS AND REDUCED HEAT LOSS ARE DRIVING MARKET

TABLE 13 STIRLING DISH TECHNOLOGY: CONCENTRATING SOLAR POWER MARKET, BY REGION, 2018–2025 (USD MILLION)

## **8 CONCENTRATING SOLAR POWER MARKET, BY OPERATION TYPE**

### 8.1 INTRODUCTION

FIGURE 25 CONCENTRATING SOLAR POWER MARKET, BY OPERATION TYPE, 2019

TABLE 14 CONCENTRATING SOLAR POWER MARKET, BY OPERATION TYPE, 2018–2025 (USD MILLION)

### 8.2 STAND-ALONE SYSTEMS

8.2.1 LOW CAPEX IS DRIVING MARKET FOR STAND-ALONE SYSTEMS

TABLE 15 STAND-ALONE SYSTEMS: CONCENTRATING SOLAR POWER MARKET, BY REGION, 2018–2025 (USD MILLION)

### 8.3 WITH STORAGE

8.3.1 NEED TO GENERATE POWER DURING NIGHT AND PROVIDE CONTINUOUS ELECTRICITY ARE DRIVING MARKET

TABLE 16 WITH STORAGE: CONCENTRATING SOLAR POWER MARKET, BY

REGION, 2018–2025 (USD MILLION)

## **9 CONCENTRATING SOLAR POWER MARKET, BY CAPACITY**

### 9.1 INTRODUCTION

FIGURE 26 CONCENTRATING SOLAR POWER MARKET, BY CAPACITY, 2019

TABLE 17 CONCENTRATING SOLAR POWER MARKET, BY CAPACITY, 2018–2025 (USD MILLION)

### 9.2 LESS THAN 50 MW

9.2.1 NEED FOR SMALL-SCALE RENEWABLE UTILITY POWER IS DRIVING MARKET

TABLE 18 LESS THAN 50 MW: CONCENTRATING SOLAR POWER MARKET, BY REGION, 2018–2025 (USD MILLION)

### 9.3 50 MW TO 99 MW

9.3.1 INCREASING UTILITY-SCALE POWER GENERATION WITH THERMAL STORAGE IS DRIVING MARKET

TABLE 19 50 MW TO 99 MW: CONCENTRATING SOLAR POWER MARKET, BY REGION, 2018–2025 (USD MILLION)

### 9.4 100 MW AND ABOVE

9.4.1 NEED TO INSTALL CSP TECHNOLOGY TO MEET RENEWABLE ENERGY GENERATION TARGETS AND CONTINUOUS OPERATIONS ARE DRIVING MARKET

TABLE 20 100 MW AND ABOVE: CONCENTRATING SOLAR POWER MARKET, BY REGION, 2018–2025 (USD MILLION)

## **10 CONCENTRATING SOLAR POWER MARKET, BY END USER**

### 10.1 INTRODUCTION

FIGURE 27 CONCENTRATING SOLAR POWER, BY END USER, 2019

TABLE 21 CONCENTRATING SOLAR POWER MARKET, BY END USER, 2018–2025 (USD MILLION)

### 10.2 UTILITIES

10.2.1 INCREASING ENERGY DEMAND AND ABILITY TO STORE ENERGY FOR FUTURE USE DRIVING MARKET GROWTH

TABLE 22 UTILITIES: CONCENTRATING SOLAR POWER MARKET, BY REGION, 2018–2025 (USD MILLION)

### 10.3 EOR

10.3.1 NEED TO BOOST OIL PRODUCTION AND EXTEND LIFE OF OIL FIELDS DRIVING MARKET GROWTH



TABLE 23 EOR: CONCENTRATING SOLAR POWER MARKET, BY REGION,  
2018–2025 (USD MILLION)

#### 10.4 OTHERS

10.4.1 GROWING NEED FOR OFF GRID POWER SUPPLY USING RENEWABLE  
POWER SOURCES DRIVING MARKET GROWTH

TABLE 24 OTHERS: CONCENTRATING SOLAR POWER MARKET, BY REGION,  
2018–2025 (USD MILLION)

## 11 CONCENTRATING SOLAR POWER MARKET, BY REGION

### 11.1 INTRODUCTION

FIGURE 28 REGIONAL SNAPSHOT: MARKET IN ASIA PACIFIC IS EXPECTED TO  
GROW AT HIGHEST CAGR DURING FORECAST PERIOD

FIGURE 29 CONCENTRATING SOLAR POWER MARKET SHARE (VALUE), BY  
REGION, 2019

TABLE 25 GLOBAL CONCENTRATING SOLAR POWER MARKET, CAPACITY, BY  
REGION, 2018–2025 (IN MW)

TABLE 26 GLOBAL CONCENTRATING SOLAR POWER MARKET, BY REGION,  
2018–2025 (USD MILLION)

### 11.2 NORTH AMERICA

11.2.1 IMPACT OF COVID-19 ON NORTH AMERICA CONCENTRATING SOLAR  
POWER MARKET

11.2.2 NORTH AMERICA: CONCENTRATING SOLAR POWER MARKET, COVID-19  
SCENARIO ANALYSIS

TABLE 27 NORTH AMERICA: CONCENTRATING SOLAR POWER MARKET,  
SCENARIO ANALYSIS, 2018–2025 (USD MILLION)

#### 11.2.3 BY TECHNOLOGY

TABLE 28 NORTH AMERICA: CONCENTRATING SOLAR POWER MARKET, BY  
TECHNOLOGY, 2018–2025 (USD MILLION)

#### 11.2.4 BY OPERATION TYPE

TABLE 29 NORTH AMERICA: CONCENTRATING SOLAR POWER MARKET, BY  
OPERATION TYPE, 2018–2025 (USD MILLION)

#### 11.2.5 BY CAPACITY

TABLE 30 NORTH AMERICA: CONCENTRATING SOLAR POWER MARKET, BY  
CAPACITY, 2018–2025 (USD MILLION)

#### 11.2.6 BY END USER

TABLE 31 NORTH AMERICA: CONCENTRATING SOLAR POWER MARKET, BY END  
USER, 2018–2025 (USD MILLION)

#### 11.2.7 BY COUNTRY

**TABLE 32 NORTH AMERICA: CONCENTRATING SOLAR POWER MARKET, BY COUNTRY, 2018–2025 (USD MILLION)****11.2.7.1 US**

11.2.7.1.1 Planned CSP power generation targets will drive market in US

**11.2.7.1.2 By technology****TABLE 33 US: CONCENTRATING SOLAR POWER MARKET, BY TECHNOLOGY, 2018–2025 (USD MILLION)****11.2.7.1.3 By operation type****TABLE 34 US: CONCENTRATING SOLAR POWER MARKET, BY OPERATION TYPE, 2018–2025 (USD MILLION)****11.2.7.1.4 By capacity****TABLE 35 US: CONCENTRATING SOLAR POWER MARKET, BY CAPACITY, 2018–2025 (USD MILLION)****11.2.7.1.5 By end user****TABLE 36 US: CONCENTRATING SOLAR POWER MARKET, BY END USER, 2018–2025 (USD MILLION)****11.2.7.2 Mexico****11.2.7.2.1 Potential of using CSP for numerous mini-grid applications****11.2.7.2.2 By technology****TABLE 37 MEXICO: CONCENTRATING SOLAR POWER MARKET, BY TECHNOLOGY, 2018–2025 (USD MILLION)****11.2.7.2.3 By operation type****TABLE 38 MEXICO: CONCENTRATING SOLAR POWER MARKET, BY OPERATION TYPE, 2018–2025 (USD MILLION)****11.2.7.2.4 By capacity****TABLE 39 MEXICO: CONCENTRATING SOLAR POWER MARKET, BY CAPACITY, 2018–2025 (USD MILLION)****11.2.7.2.5 By end user****TABLE 40 MEXICO: CONCENTRATING SOLAR POWER MARKET, BY END USER, 2018–2025 (USD MILLION)****11.3 SOUTH AMERICA****11.3.1 IMPACT OF COVID-19 ON SOUTH AMERICA CONCENTRATING SOLAR POWER MARKET****11.3.2 SOUTH AMERICA: CONCENTRATING SOLAR POWER MARKET, SCENARIO ANALYSIS, 2018–2025****TABLE 41 SOUTH AMERICA: CONCENTRATING SOLAR POWER MARKET, SCENARIO ANALYSIS, 2018–2025 (USD MILLION)****11.3.3 BY TECHNOLOGY**

TABLE 42 SOUTH AMERICA: CONCENTRATING SOLAR POWER MARKET, BY TECHNOLOGY, 2018–2025 (USD MILLION)

11.3.4 BY OPERATION TYPE

TABLE 43 SOUTH AMERICA: CONCENTRATING SOLAR POWER MARKET, BY OPERATION TYPE, 2018–2025 (USD MILLION)

11.3.5 BY CAPACITY

TABLE 44 SOUTH AMERICA: CONCENTRATING SOLAR POWER MARKET, BY CAPACITY, 2018–2025 (USD MILLION)

11.3.6 BY END USER

TABLE 45 SOUTH AMERICA: CONCENTRATING SOLAR POWER MARKET, BY END USER, 2018–2025 (USD MILLION)

11.3.7 BY COUNTRY

TABLE 46 SOUTH AMERICA: CONCENTRATING SOLAR POWER MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

11.3.7.1 Brazil

11.3.7.1.1 Availability of large suitable land area for CSP and supportive renewable energy policies driving market growth

11.3.7.1.2 By technology

TABLE 47 BRAZIL: CONCENTRATING SOLAR POWER MARKET, BY TECHNOLOGY, 2018–2025 (USD MILLION)

11.3.7.1.3 By operation type

TABLE 48 BRAZIL: CONCENTRATING SOLAR POWER MARKET, BY OPERATION TYPE, 2018–2025 (USD MILLION)

11.3.7.1.4 By capacity

TABLE 49 BRAZIL: CONCENTRATING SOLAR POWER MARKET, BY CAPACITY, 2018–2025 (USD MILLION)

11.3.7.1.5 By end user

TABLE 50 BRAZIL: CONCENTRATING SOLAR POWER MARKET, BY END USER, 2018–2025 (USD MILLION)

11.3.7.2 Chile

11.3.7.2.1 Potential to supply components such as thermal energy storage molten salts fostering market growth

11.3.7.2.2 By technology

TABLE 51 CHILE: CONCENTRATING SOLAR POWER MARKET, BY TECHNOLOGY, 2018–2025 (USD MILLION)

11.3.7.2.3 By operation type

TABLE 52 CHILE: CONCENTRATING SOLAR POWER MARKET, BY OPERATION TYPE, 2018–2025 (USD MILLION)

11.3.7.2.4 By capacity

TABLE 53 CHILE: CONCENTRATING SOLAR POWER MARKET, BY CAPACITY, 2018–2025 (USD MILLION)

11.3.7.2.5 By end user

TABLE 54 CHILE: CONCENTRATING SOLAR POWER MARKET, BY END USER, 2018–2025 (USD MILLION)

11.3.7.3 Rest of South America

11.3.7.3.1 By technology

TABLE 55 REST OF SOUTH AMERICA: CONCENTRATING SOLAR POWER MARKET, BY TECHNOLOGY, 2018–2025 (USD MILLION)

11.3.7.3.2 By operation type

TABLE 56 REST OF SOUTH AMERICA: CONCENTRATING SOLAR POWER MARKET, BY OPERATION TYPE, 2018–2025 (USD MILLION)

11.3.7.3.3 By capacity

TABLE 57 REST OF SOUTH AMERICA: CONCENTRATING SOLAR POWER MARKET, BY CAPACITY, 2018–2025 (USD MILLION)

11.3.7.3.4 By end user

TABLE 58 REST OF SOUTH AMERICA: CONCENTRATING SOLAR POWER MARKET, BY END USER, 2018–2025 (USD MILLION)

11.4 EUROPE

11.4.1 IMPACT OF COVID-19 ON EUROPE CONCENTRATING SOLAR POWER MARKET

11.4.2 EUROPE: CONCENTRATING SOLAR POWER MARKET, SCENARIO ANALYSIS, 2018–2025

TABLE 59 EUROPE: CONCENTRATING SOLAR POWER MARKET, SCENARIO ANALYSIS, 2018–2025 (USD MILLION)

11.4.3 BY TECHNOLOGY

TABLE 60 EUROPE: CONCENTRATING SOLAR POWER MARKET, BY TECHNOLOGY, 2018–2025 (USD MILLION)

11.4.4 BY OPERATION TYPE

TABLE 61 EUROPE: CONCENTRATING SOLAR POWER MARKET, BY OPERATION TYPE, 2018–2025 (USD MILLION)

11.4.5 BY CAPACITY

TABLE 62 EUROPE: CONCENTRATING SOLAR POWER MARKET, BY CAPACITY, 2018–2025 (USD MILLION)

11.4.6 BY END USER

TABLE 63 EUROPE: CONCENTRATING SOLAR POWER MARKET, BY END USER, 2018–2025 (USD MILLION)

11.4.7 BY COUNTRY

TABLE 64 EUROPE: CONCENTRATING SOLAR POWER MARKET, BY COUNTRY,

2018–2025 (USD MILLION)

11.4.7.1 Cyprus

11.4.7.1.1 CSP targets and suitable solar irradiation levels boosting market growth

11.4.7.1.2 By technology

TABLE 65 CYPRUS: CONCENTRATING SOLAR POWER MARKET, BY TECHNOLOGY, 2018–2025 (USD MILLION)

11.4.7.1.3 By operation type

TABLE 66 CYPRUS: CONCENTRATING SOLAR POWER MARKET, BY OPERATION TYPE, 2018–2025 (USD MILLION)

11.4.7.1.4 By capacity

TABLE 67 CYPRUS: CONCENTRATING SOLAR POWER MARKET, BY CAPACITY, 2018–2025 (USD MILLION)

11.4.7.1.5 By end user

TABLE 68 CYPRUS: CONCENTRATING SOLAR POWER MARKET, BY END USER, 2018–2025 (USD MILLION)

11.4.7.2 Spain

11.4.7.2.1 Multitude of CSP deployments in Spain favoring market growth

11.4.7.2.2 By technology

TABLE 69 SPAIN: CONCENTRATING SOLAR POWER MARKET, BY TECHNOLOGY, 2018–2025 (USD MILLION)

11.4.7.2.3 By operation type

TABLE 70 SPAIN: CONCENTRATING SOLAR POWER MARKET, BY OPERATION TYPE, 2018–2025 (USD MILLION)

11.4.7.2.4 By capacity

TABLE 71 SPAIN: CONCENTRATING SOLAR POWER MARKET, BY CAPACITY, 2018–2025 (USD MILLION)

11.4.7.2.5 By end user

TABLE 72 SPAIN: CONCENTRATING SOLAR POWER MARKET, BY END USER, 2018–2025 (USD MILLION)

11.4.7.3 Greece

11.4.7.3.1 Need to reduce energy imports and presence of favorable radiation level supporting market growth

11.4.7.3.2 By technology

TABLE 73 GREECE: CONCENTRATING SOLAR POWER MARKET, BY TECHNOLOGY, 2018–2025 (USD MILLION)

11.4.7.3.3 By operation type

TABLE 74 GREECE: CONCENTRATING SOLAR POWER MARKET, BY OPERATION TYPE, 2018–2025 (USD MILLION)

11.4.7.3.4 By capacity

TABLE 75 GREECE: CONCENTRATING SOLAR POWER MARKET, BY CAPACITY, 2018–2025 (USD MILLION)

11.4.7.3.5 By end user

TABLE 76 GREECE: CONCENTRATING SOLAR POWER MARKET, BY END USER, 2018–2025 (USD MILLION)

11.4.7.4 Rest of Europe

11.4.7.4.1 By technology

TABLE 77 REST OF EUROPE: CONCENTRATING SOLAR POWER MARKET, BY TECHNOLOGY, 2018–2025 (USD MILLION)

11.4.7.4.2 By operation type

TABLE 78 REST OF EUROPE: CONCENTRATING SOLAR POWER MARKET, BY OPERATION TYPE, 2018–2025 (USD MILLION)

11.4.7.4.3 By capacity

TABLE 79 REST OF EUROPE: CONCENTRATING SOLAR POWER MARKET, BY CAPACITY, 2018–2025 (USD MILLION)

11.4.7.4.4 By end user

TABLE 80 REST OF EUROPE: CONCENTRATING SOLAR POWER MARKET, BY END USER, 2018–2025 (USD MILLION)

11.5 ASIA PACIFIC

11.5.1 IMPACT OF COVID-19 ON ASIA PACIFIC CONCENTRATING SOLAR POWER MARKET

FIGURE 30 ASIA PACIFIC: CONCENTRATING SOLAR POWER MARKET SNAPSHOT, 2019

11.5.2 ASIA PACIFIC: CONCENTRATING SOLAR POWER MARKET, SCENARIO ANALYSIS, 2018–2025

TABLE 81 ASIA PACIFIC: CONCENTRATING SOLAR POWER MARKET, SCENARIO ANALYSIS, 2018–2025 (USD MILLION)

11.5.3 BY TECHNOLOGY

TABLE 82 ASIA PACIFIC: CONCENTRATING SOLAR POWER MARKET, BY TECHNOLOGY, 2018–2025 (USD MILLION)

11.5.4 BY OPERATION TYPE

TABLE 83 ASIA PACIFIC: CONCENTRATING SOLAR POWER MARKET, BY OPERATION TYPE, 2018–2025 (USD MILLION)

11.5.5 BY CAPACITY

TABLE 84 ASIA PACIFIC: CONCENTRATING SOLAR POWER MARKET, BY CAPACITY, 2018–2025 (USD MILLION)

11.5.6 BY END USER

TABLE 85 ASIA PACIFIC: CONCENTRATING SOLAR POWER MARKET, BY END USER, 2018–2025 (USD MILLION)

### 11.5.7 BY COUNTRY

TABLE 86 ASIA PACIFIC: CONCENTRATING SOLAR POWER MARKET, BY COUNTRY, 2018–2025 (USD MILLION)

#### 11.5.7.1 China

11.5.7.1.1 Increasing investment in CSP for power grid stabilization driving market growth

#### 11.5.7.1.2 By technology

TABLE 87 CHINA: CONCENTRATING SOLAR POWER MARKET, BY TECHNOLOGY, 2018–2025 (USD MILLION)

#### 11.5.7.1.3 By operation type

TABLE 88 CHINA: CONCENTRATING SOLAR POWER MARKET, BY OPERATION TYPE, 2018–2025 (USD MILLION)

#### 11.5.7.1.4 By capacity

TABLE 89 CHINA: CONCENTRATING SOLAR POWER MARKET, BY CAPACITY, 2018–2025 (USD MILLION)

#### 11.5.7.1.5 By end-user

TABLE 90 CHINA: CONCENTRATING SOLAR POWER MARKET, BY END USER, 2018–2025 (USD MILLION)

#### 11.5.7.2 India

11.5.7.2.1 Potential to integrate CSP with desalination plants is driving the market

#### 11.5.7.2.2 By technology

TABLE 91 INDIA: CONCENTRATING SOLAR POWER MARKET SIZE, BY TECHNOLOGY, 2018–2025 (USD MILLION)

#### 11.5.7.2.3 By operation type

TABLE 92 INDIA: CONCENTRATING SOLAR POWER MARKET SIZE, BY OPERATION TYPE, 2018–2025 (USD MILLION)

#### 11.5.7.2.4 By capacity

TABLE 93 INDIA: CONCENTRATING SOLAR POWER MARKET SIZE, BY CAPACITY, 2018–2025 (USD MILLION)

#### 11.5.7.2.5 By end user

TABLE 94 INDIA: CONCENTRATING SOLAR POWER MARKET SIZE, BY END USER, 2018–2025 (USD MILLION)

#### 11.5.7.3 Australia

11.5.7.3.1 Potential of CSP to provide power grid balance and flexibility is driving the market

#### 11.5.7.3.2 By technology

TABLE 95 AUSTRALIA: CONCENTRATING SOLAR POWER MARKET SIZE, BY TECHNOLOGY, 2018–2025 (USD MILLION)

#### 11.5.7.3.3 By operation type

TABLE 96 AUSTRALIA: CONCENTRATING SOLAR POWER MARKET, BY OPERATION TYPE, 2018–2025 (USD MILLION)

11.5.7.3.4 By capacity

TABLE 97 AUSTRALIA: CONCENTRATING SOLAR POWER MARKET SIZE, BY CAPACITY, 2018–2025 (USD MILLION)

11.5.7.3.5 By end user

TABLE 98 AUSTRALIA: CONCENTRATING SOLAR POWER MARKET SIZE, BY END USER, 2018–2025 (USD MILLION)

11.5.7.4 Rest of Asia Pacific

11.5.7.4.1 By technology

TABLE 99 REST OF ASIA PACIFIC: CONCENTRATING SOLAR POWER MARKET SIZE, BY TECHNOLOGY, 2018–2025 (USD MILLION)

11.5.7.4.2 By operation type

TABLE 100 REST OF ASIA PACIFIC: CONCENTRATING SOLAR POWER MARKET, BY OPERATION TYPE, 2018–2025 (USD MILLION)

11.5.7.4.3 By capacity

TABLE 101 REST OF ASIA PACIFIC: CONCENTRATING SOLAR POWER MARKET, BY CAPACITY, 2018–2025 (USD MILLION)

11.5.7.4.4 By end user

TABLE 102 REST OF ASIA PACIFIC: CONCENTRATING SOLAR POWER MARKET, BY END USER, 2018–2025 (USD MILLION)

11.6 MIDDLE EAST & AFRICA

11.6.1 IMPACT OF COVID-19 ON MIDDLE EAST & AFRICA CONCENTRATING SOLAR POWER MARKET

FIGURE 31 MIDDLE EAST & AFRICA: CONCENTRATING SOLAR POWER MARKET SNAPSHOT, 2019

11.6.2 MIDDLE EAST & AFRICA: CONCENTRATING SOLAR POWER MARKET SIZE, SCENARIO ANALYSIS, 2018–2025

TABLE 103 MIDDLE EAST & AFRICA: CONCENTRATING SOLAR POWER MARKET SIZE, SCENARIO ANALYSIS, 2018–2025 (USD MILLION)

11.6.3 BY TECHNOLOGY

TABLE 104 MIDDLE EAST & AFRICA: CONCENTRATING SOLAR POWER MARKET SIZE, BY TECHNOLOGY, 2018–2025 (USD MILLION)

11.6.4 BY OPERATION TYPE

TABLE 105 MIDDLE EAST & AFRICA: CONCENTRATING SOLAR POWER MARKET, BY OPERATION TYPE, 2018–2025 (USD MILLION)

11.6.5 BY CAPACITY

TABLE 106 MIDDLE EAST & AFRICA: CONCENTRATING SOLAR POWER MARKET SIZE, BY CAPACITY, 2018–2025 (USD MILLION)



#### 11.6.6 BY END USER

TABLE 107 MIDDLE EAST & AFRICA: CONCENTRATING SOLAR POWER MARKET SIZE, BY END USER, 2018–2025 (USD MILLION)

#### 11.6.7 BY COUNTRY

TABLE 108 MIDDLE EAST & AFRICA: CONCENTRATING SOLAR POWER MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

##### 11.6.7.1 Saudi Arabia

11.6.7.1.1 Potential to transit from oil dependence and use of CSP for renewable power generation are driving the market

##### 11.6.7.1.2 By technology

TABLE 109 SAUDI ARABIA: CONCENTRATING SOLAR POWER MARKET SIZE, BY TECHNOLOGY, 2018–2025 (USD MILLION)

##### 11.6.7.1.3 By operation type

TABLE 110 SAUDI ARABIA: CONCENTRATING SOLAR POWER MARKET SIZE, BY OPERATION TYPE, 2018–2025 (USD MILLION)

##### 11.6.7.1.4 By capacity

TABLE 111 SAUDI ARABIA: CONCENTRATING SOLAR POWER MARKET SIZE, BY CAPACITY, 2018–2025 (USD MILLION)

##### 11.6.7.1.5 By end user

TABLE 112 SAUDI ARABIA: CONCENTRATING SOLAR POWER MARKET SIZE, BY END USER, 2018–2025 (USD MILLION)

##### 11.6.7.2 UAE

11.6.7.2.1 Potential for CSP in supplying power to district cooling systems is driving the market

##### 11.6.7.2.2 By technology

TABLE 113 UAE: CONCENTRATING SOLAR POWER MARKET SIZE, BY TECHNOLOGY, 2018–2025 (USD MILLION)

##### 11.6.7.2.3 By operation type

TABLE 114 UAE: CONCENTRATING SOLAR POWER MARKET SIZE, BY OPERATION TYPE, 2018–2025 (USD MILLION)

##### 11.6.7.2.4 By capacity

TABLE 115 UAE: CONCENTRATING SOLAR POWER MARKET SIZE, BY CAPACITY, 2018–2025 (USD MILLION)

##### 11.6.7.2.5 By end user

TABLE 116 UAE: CONCENTRATING SOLAR POWER MARKET SIZE, BY END USER, 2018–2025 (USD MILLION)

##### 11.6.7.3 South Africa

11.6.7.3.1 Potential of CSP and mining hybridization is driving the market

##### 11.6.7.3.2 By technology

TABLE 117 SOUTH AFRICA: CONCENTRATING SOLAR POWER MARKET SIZE, BY TECHNOLOGY, 2018–2025 (USD MILLION)

11.6.7.3.3 By operation type

TABLE 118 SOUTH AFRICA: CONCENTRATING SOLAR POWER MARKET SIZE, BY OPERATION TYPE, 2018–2025 (USD MILLION)

11.6.7.3.4 By capacity

TABLE 119 SOUTH AFRICA: CONCENTRATING SOLAR POWER MARKET SIZE, BY CAPACITY, 2018–2025 (USD MILLION)

11.6.7.3.5 By end user

TABLE 120 SOUTH AFRICA: CONCENTRATING SOLAR POWER MARKET SIZE, BY END USER, 2018–2025 (USD MILLION)

11.6.7.4 Morocco

11.6.7.4.1 Growing number of CSP projects and supportive legislation are driving the market

11.6.7.4.2 By technology

TABLE 121 MOROCCO: CONCENTRATING SOLAR POWER MARKET SIZE, BY TECHNOLOGY, 2018–2025 (USD MILLION)

11.6.7.4.3 By operation type

TABLE 122 MOROCCO: CONCENTRATING SOLAR POWER MARKET SIZE, BY OPERATION TYPE, 2018–2025 (USD MILLION)

11.6.7.4.4 By capacity

TABLE 123 MOROCCO: CONCENTRATING SOLAR POWER MARKET SIZE, BY CAPACITY, 2018–2025 (USD MILLION)

11.6.7.4.5 By end user

TABLE 124 MOROCCO: CONCENTRATING SOLAR POWER MARKET SIZE, BY END USER, 2018–2025 (USD MILLION)

11.6.7.5 Rest of Middle East & Africa

11.6.7.5.1 By technology

TABLE 125 REST OF MIDDLE EAST AND AFRICA: CONCENTRATING SOLAR POWER MARKET, BY TECHNOLOGY, 2018–2025 (USD MILLION)

11.6.7.5.2 By operation type

TABLE 126 REST OF MIDDLE EAST AND AFRICA: CONCENTRATING SOLAR POWER MARKET, BY OPERATION TYPE, 2018–2025 (USD MILLION)

11.6.7.5.3 By capacity

TABLE 127 REST OF MIDDLE EAST AND AFRICA: CONCENTRATING SOLAR POWER MARKET, BY CAPACITY, 2018–2025 (USD MILLION)

11.6.7.5.4 By end user

TABLE 128 REST OF MIDDLE EAST AND AFRICA: CONCENTRATING SOLAR POWER MARKET, BY END USER, 2018–2025 (USD MILLION)

## **12 COMPETITIVE LANDSCAPE**

### 12.1 OVERVIEW

FIGURE 32 KEY DEVELOPMENTS IN CONCENTRATING SOLAR POWER MARKET, 2016–JUNE 2020

### 12.2 COMPETITIVE LEADERSHIP MAPPING (OVERALL MARKET)

#### 12.2.1 STAR

#### 12.2.2 EMERGING LEADERS

#### 12.2.3 PERVASIVE

#### 12.2.4 OTHER PLAYERS

FIGURE 33 CONCENTRATING SOLAR POWER MARKET (GLOBAL) COMPETITIVE LEADERSHIP MAPPING, 2019

### 12.3 MARKET SHARE ANALYSIS, 2019

FIGURE 34 ABENGOA LED CONCENTRATING SOLAR POWER MARKET IN 2019

### 12.4 REVENUE ANALYSIS OF TOP 6 PLAYERS

FIGURE 35 ABENGOA LED CONCENTRATING SOLAR POWER MARKET IN 2019

### 12.5 COMPETITIVE SCENARIO

#### 12.5.1 CONTRACTS & AGREEMENTS

#### 12.5.2 PARTNERSHIPS & COLLABORATIONS

#### 12.5.3 INVESTMENTS & EXPANSIONS

#### 12.5.4 PRODUCT LAUNCHES

## **13 COMPANY PROFILES**

(Business overview, Technology Offered, Recent Developments, SWOT Analysis, MNM View)\*

### 13.1 ENEL GREEN POWER

### 13.2 GENERAL ELECTRIC

FIGURE 36 GENERAL ELECTRIC: COMPANY SNAPSHOT

FIGURE 37 GENERAL ELECTRIC: SWOT ANALYSIS

### 13.3 ABENGOA

FIGURE 38 ABENGOA: COMPANY SNAPSHOT

FIGURE 39 ABENGOA: SWOT ANALYSIS

### 13.4 BRIGHTSOURCE ENERGY

### 13.5 ACWA POWER

### 13.6 GLASSPOINT SOLAR

### 13.7 ESOLAR

### 13.8 SOLARRESERVE

- 13.9 AALBORG CSP
- 13.10 TSK FLAGSOL ENGINEERING GMBH
- 13.11 ALSOLEN
- 13.12 ARCHIMEDE SOLAR ENERGY
- 13.13 ACCIONA ENERGY
- 13.14 COBRA ENERGIA
- 13.15 FRENELL GMBH
- 13.16 SOLTIGUA
- 13.17 ATLANTICA YIELD
- 13.18 CHIYODA CORPORATION
- 13.19 SOLASTOR
- 13.20 TORRESOL ENERGY

\*Details on Business overview, Technology Offered, Recent Developments, SWOT Analysis, MNM View might not be captured in case of unlisted companies.

## **14 APPENDIX**

- 14.1 INSIGHTS OF INDUSTRY EXPERTS
- 14.2 DISCUSSION GUIDE
- 14.3 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL
- 14.4 AVAILABLE CUSTOMIZATIONS
- 14.5 RELATED REPORTS
- 14.6 AUTHOR DETAILS

## I would like to order

Product name: Concentrating Solar Power Market by Technology (Power Towers, Concentrating Systems, Stirling Dish), Operation (Stand-alone, Storage), Capacity (Less than 50MW, 50-99MW, 100MW&Above), End-User (Utilities, EOR & Others) and Region - Global Forecast to 2025

Product link: <https://marketpublishers.com/r/CF50176B3F3EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/CF50176B3F3EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970