

COTEK

SC Inverter

31th ANNIVERSARY 

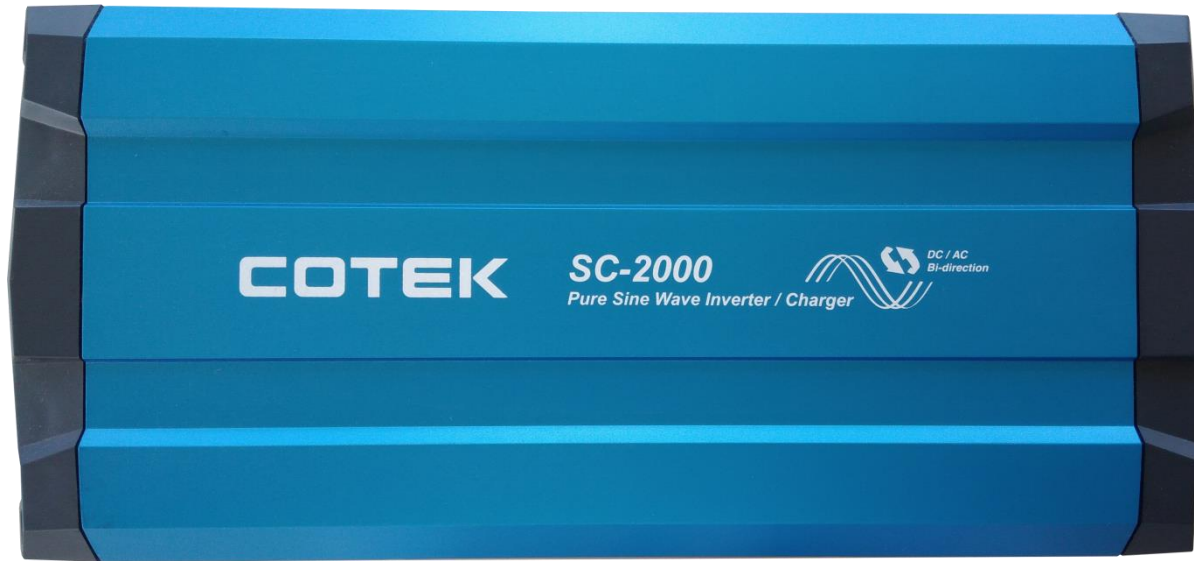
SC-1200/2000 Series Overview



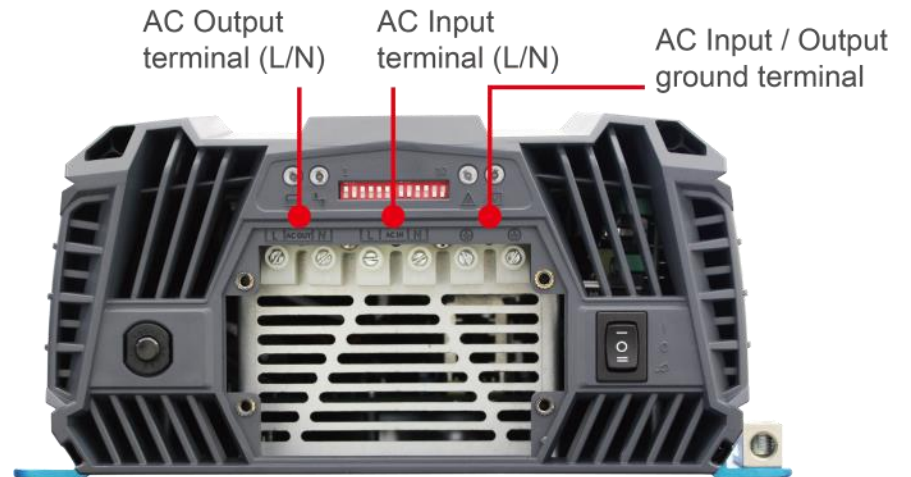
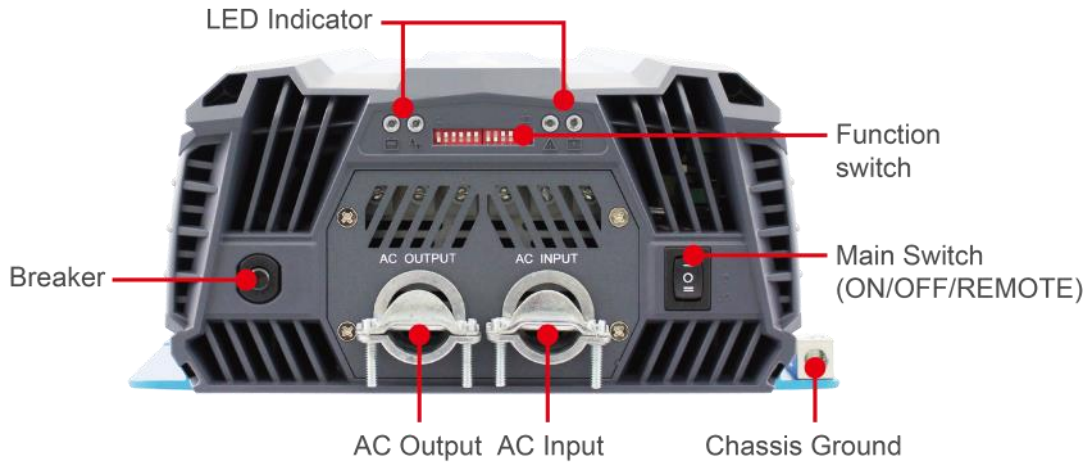
Features and Benefits

| Features | Benefits |
|------------------------|---|
| Bi-directional Design | Innovative design of integrating inverter and battery charger Well smooth mode switching to fulfill applications |
| Various Operating Mode | 1. Inverter mode 2. Charger mode 3. Power Sharing 4. Power Generation 5. Power Support |
| Wide Charging Range | Support various battery types |
| Light Power Sensor | To wake up from the saving mode when the load is too light to be sensed such as Power Adapter + Mobile phone. |
| Extra 12VDC Output | To provide user 12Vdc source for DC load |
| Compact size | Solve of limited space problem |
| Wide Temperature Range | Suitable for various applications Full Load -20 ~ 40 °C; De-rating 41~60 °C |
| Certification | Certified by official UL, CE standard. |

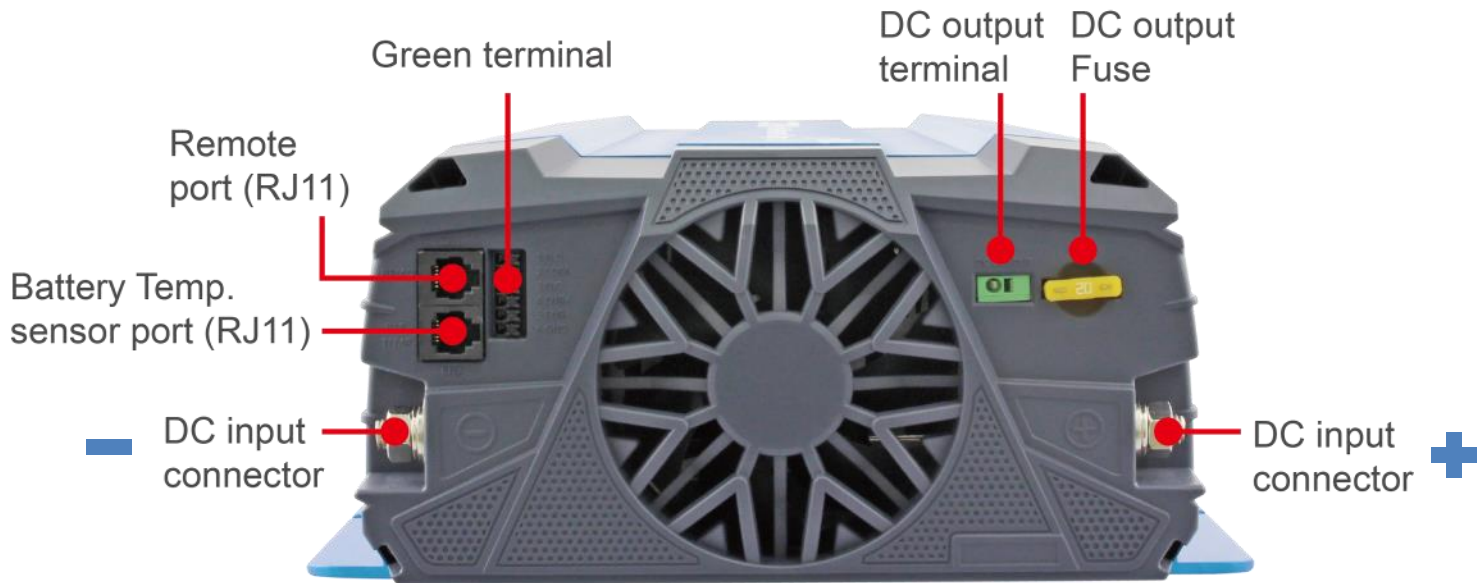
SC-1200/2000 Top View



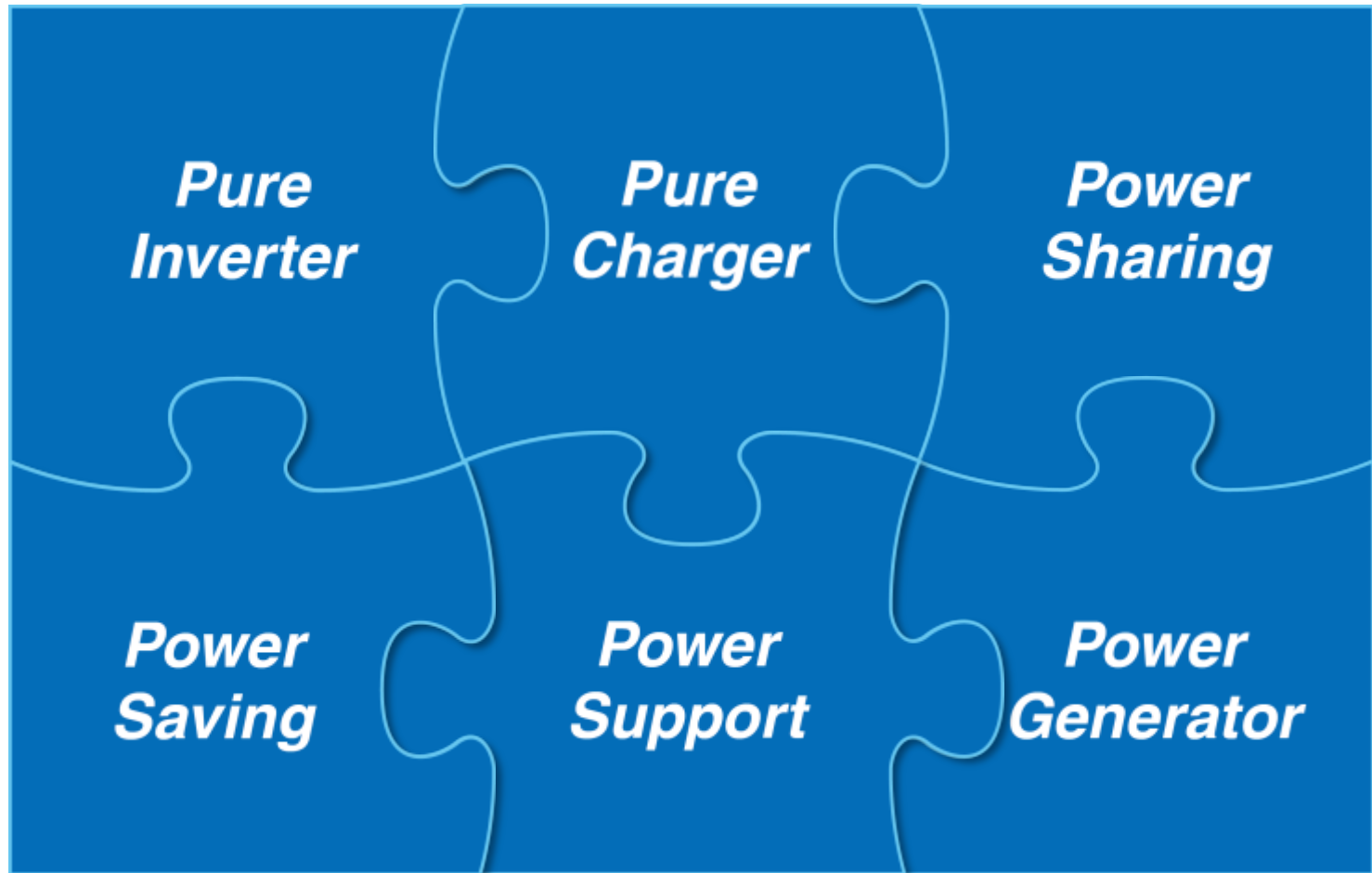
SC-1200/2000 Front Panel



SC-1200/2000 Rear Panel



Operating Modes



| *User Benefits* |

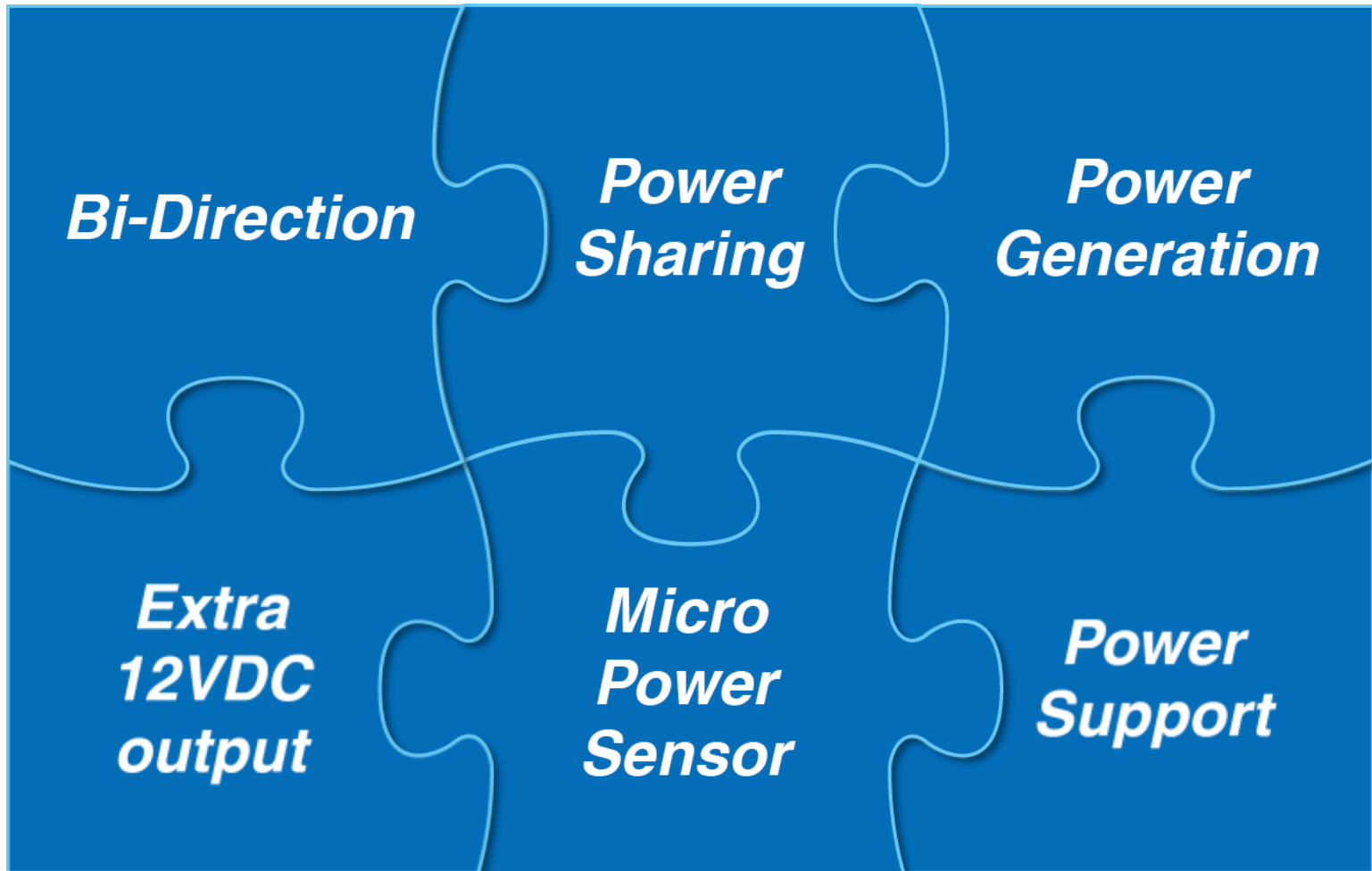


**Unique
Feature**

**Outstanding
Performance**

**High
Standard
Design**

Unique Feature



Unique
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High
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Bi-Direction

COTEK advanced technology & ECO Friendly



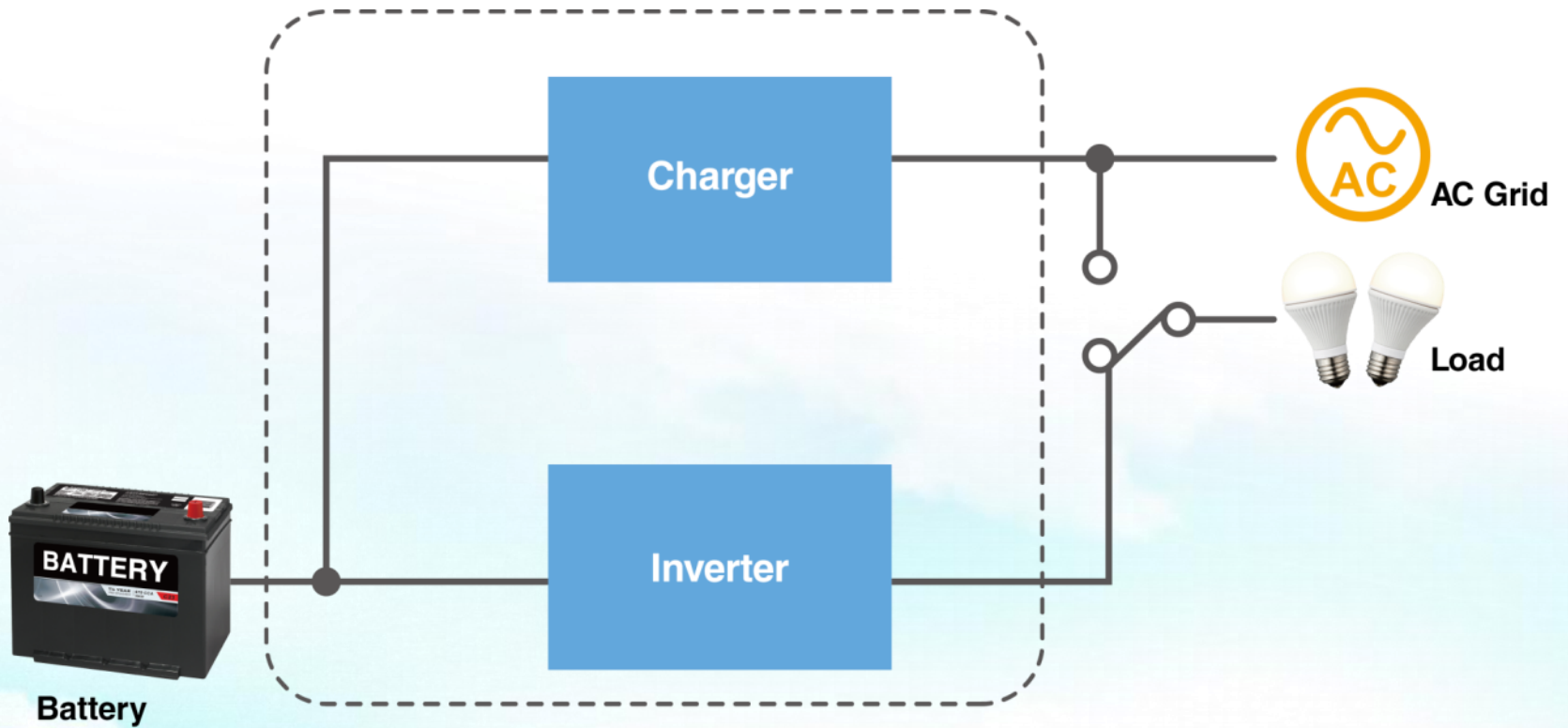
COTEK



Other Brand

Unique Feature Outstanding Performance High Standard Design

Inverter / Charger Traditional

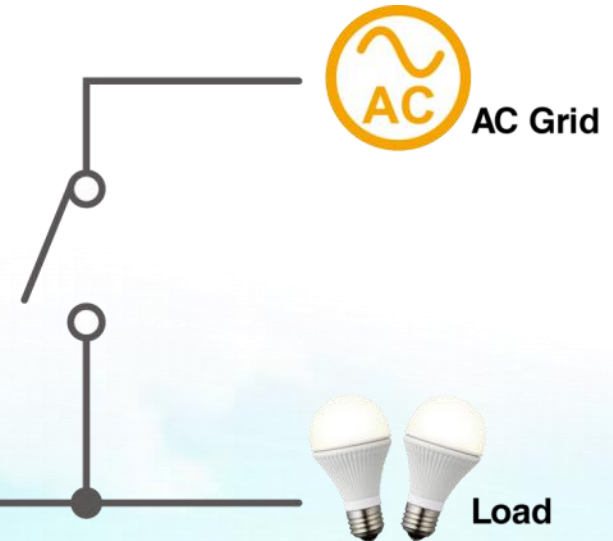


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Inverter / Charger Bi-Direction



Unique Feature Outstanding Performance High Standard Design

Power Sharing

Feature: Unique multi-tasking technology
Benefit: Save your time of battery charging

← - - - AC
← - - - DC





Power Generation

Unique multi-input power technology to break through the limitation of single input power and meanwhile satisfy the output power load

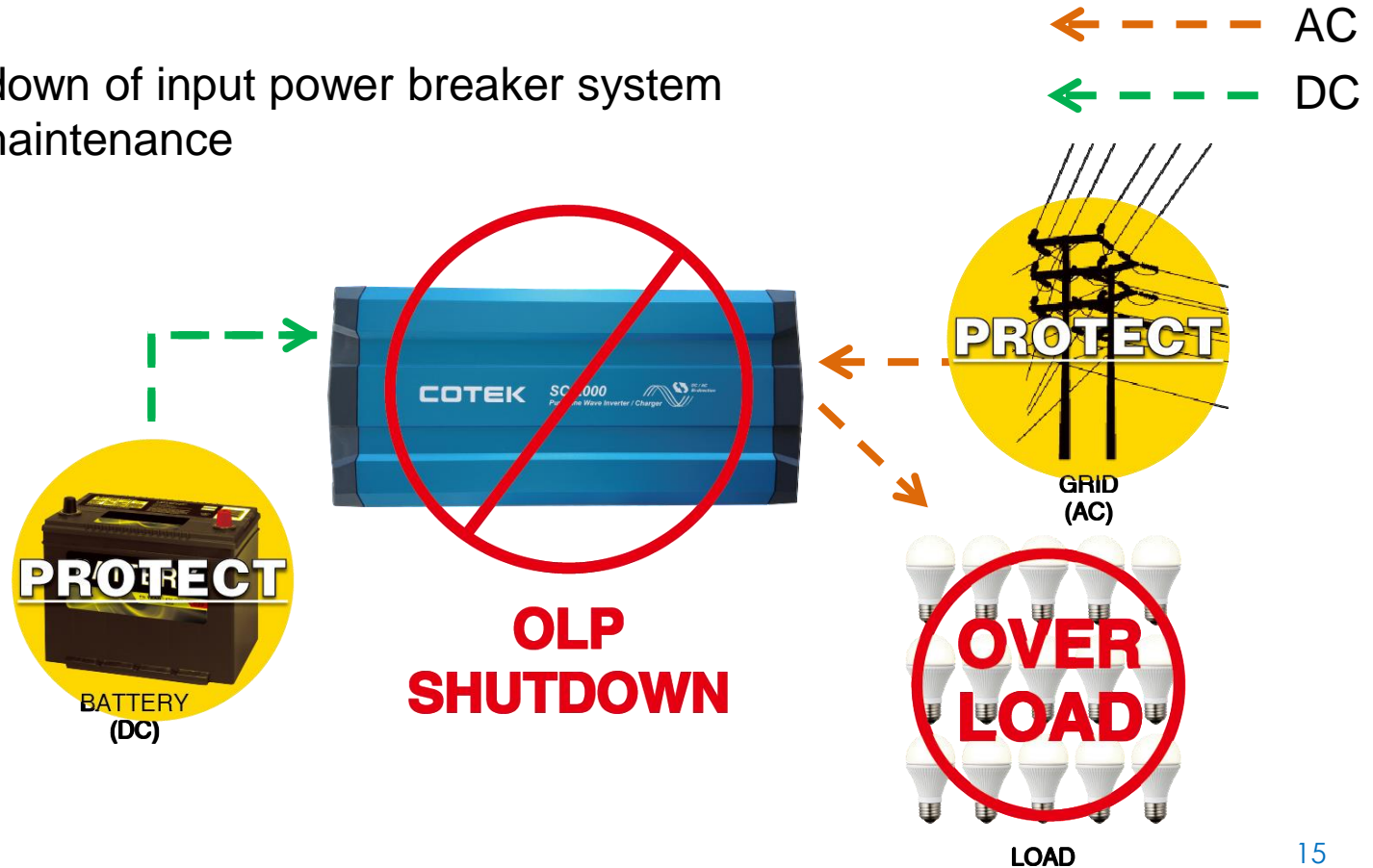
← - - - AC
← - - - DC





Power Support

1. Feature: Over Loading Protection (OLP)
2. Benefit:
 - Avoid the shut down of input power breaker system
 - Easy repair & maintenance



Unique
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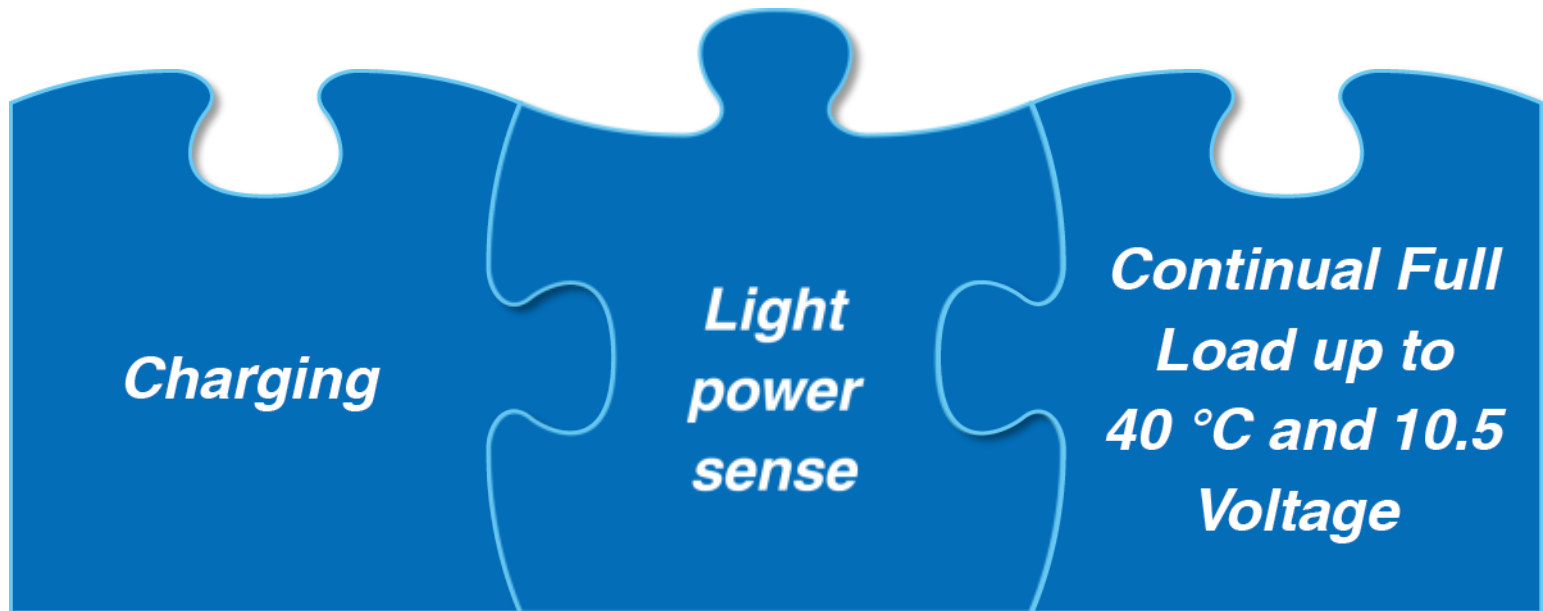
High
Standard
Design

Extra 12VDC Output

Support the 12VDC electronic device via such as cigarette charger connector



Outstanding Performance



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Charging

Wide range of the charging current to support high capacity batteries and speed up the charging time such as Lithium Iron Phosphate Battery.



Unique
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High
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Light power detector

Wake up from standby mode under $< 1W$.

0 second switch

User can enjoy the seamless power during the transferring period between inverter and charger.



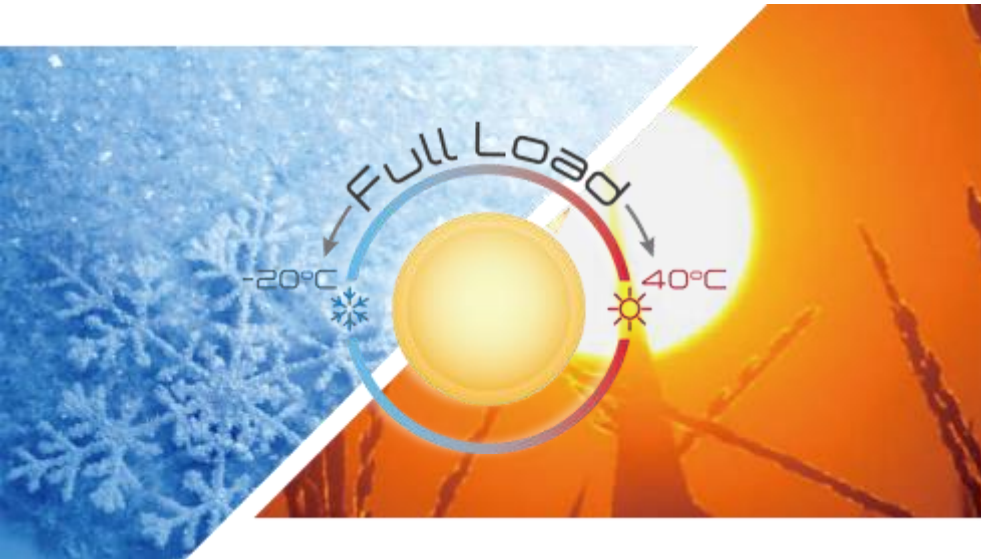
Unique
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Continual Full Load up to 40°C

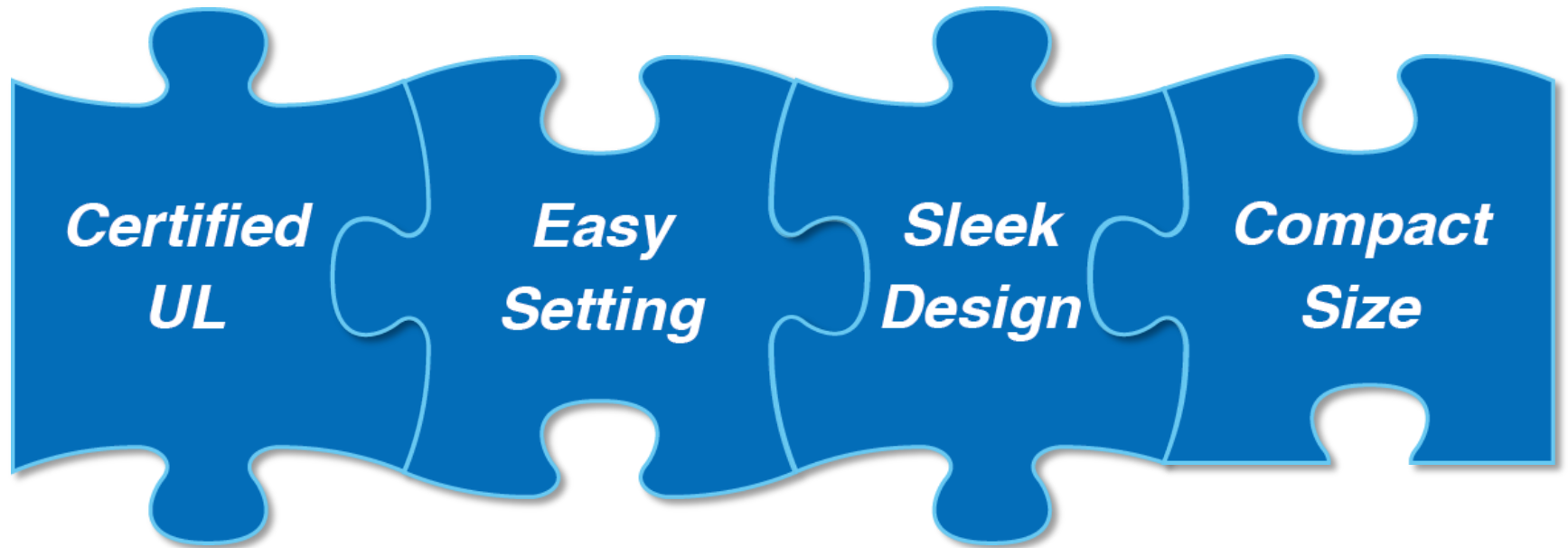
1. $-20\text{ °C} < \text{Full Load} < 40\text{ °C}$; $40\text{ °C} < \text{Power De-rating} < 60\text{ °C}$.
2. Other Brand or M-Brand: $-20\text{ °C} < \text{Full Load} < 25\text{ °C}$; Power De-rating after $>25\text{ °C}$.



For example, when the temperature raises up from 25°C to 40°C:

1. COTEK → working at full load 2000W.
2. Others → drop from 2000W to 1600W

High Standard Design



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Certified UL

1. UL-458 (including SA Marine)
2. UL-1741 (Use with Distributed Energy Resource)
3. KKK-A-1822F (For Ambulance).
4. Avoid other standards (ex.ETL mark) which will be not accepted by UL certified project.



Unique
Feature

Outstanding
Performance

High
Standard
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Easy Setting

Feature: Simple DIP switch setting
Benefit: No more lousy LCD setting



Unique
Feature

Outstanding
Performance

High
Standard
Design

Sleek Design

Scale up the system value



Unique
Feature

Outstanding
Performance

High
Standard
Design

Compact Size

Benefit: Installable for the most of limited system spaces



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COTEK

Your Best Partner

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