



PRODUCT
CATALOGUE



CROWN  **n**
MICRO



About Us

CROWN MICRO GLOBAL

In 30 years history of CMG, we established a robust and trustworthy name & teamed as a member of the well-known SADITA Holding LTD. Devotion and progressive diligence is the first thing we set into our products to supply you with the finest.

Crown Micro Global maintained the legacy of being prosperous and to create an influence, kept the hard work on and aimed to expand it all over the globe. Consequently, the time frame of 30 years made CMG to mark its name in the market of United Arab Emirates, Kuwait, Kingdom of Saudi Arabia, Pakistan, Lebanon, China, Russia, Kazakhstan, Argentina, Chile, South Africa, Tunisia, Egypt, Sudan, Kenya, Nigeria, Ghana, Ethiopia.

Crown Micro Global collaborates with more than 500 business clients around the world and is recognized as an international brand. With enthusiastic vision and team efforts, CMG has built its brand name worldwide by providing uncompromising and sustainable product quality with excellent work efficiency.



LIVING BY STRONG VALUE IS THE KEY TO SUCCESSFUL BUSINESS



Quite simply, a company is its people
Crown Micro is giving wealth of opportunities
for its people to utilize their full potential
We invest in talent and allow our people to prosper



In today's fast-paced global economy
change is constant, and innovation is
critical to a company's survival



Everything we do, Crown Micro is driven by
passion for excellence. It is our commitment
to develop the best products and services



Operating in an ethical way, is the foundation
of our business. We work with our business
partners with complete transparency

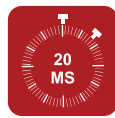


XAVIER

1200VA-900W
2400VA-1600W

With Solar & Without Solar

- ✦ Economical solar inverter with affordable price
- ✦ Simulated sine wave solar inverter
- ✦ Built-in 60A MPPT solar charger
- ✦ Selectable output source priority via LCD setting
- ✦ Wide input voltage range: 90-280 VAC
- ✦ Overload and short circuit protection
- ✦ LCD\LED display for comprehensive information
- ✦ Anti-dust on PCB



Transfer Time



Max Efficiency
85%



LCD



Solar Charger

XAVIER 1.5KW

PV-2000

- ✦ Pure sine wave solar MPPT based inverter
- ✦ Easy install, one battery 12vdc
- ✦ Wide PV input voltage range starts from 30VDC
- ✦ Battery independent design
- ✦ Built-in 80A MPPT solar charger
- ✦ Battery equalization function to optimize battery performance and extend lifecycle
- ✦ Built-in anti-dust kit
- ✦ Output power factor 1



LCD



Max Charge Current



Power Factor



VDC



Anti Dust Kit



Transfer Time



Max Efficiency
93%



Works Without Battery

**NEW
PRODUCT**



XAVIER 3KW PV-3000

- ❖ Pure sine wave solar MPPT based inverter
- ❖ Wide DC input range
- ❖ Battery independent design
- ❖ Maximum charging current 100A
- ❖ Built-in anti-dust kit
- ❖ 2.5" LCD with touch pad
- ❖ Battery equalization function to optimize battery performance and extend life cycle
- ❖ Output power factor 1
- ❖ With inbuilt BMS & WIFI



Built-in WIFI



Built-in BMS



Power Factor



VDC



Anti Dust Kit



Transfer Time



Max Efficiency 93%



LCD With Touch Pad



Works Without Battery

XAVIER II 3.6KW PV-4500 5.6KW PV-6000

- ❖ Pure sine wave solar MPPT based inverter
- ❖ Output power factor 1
- ❖ Maximum PV input current increases to 27A
- ❖ Dual outputs, for smart load management
- ❖ Wide PV input voltage range 60VDC~450VDC
- ❖ Feed-in to the grid function (Xavier II 5.6KW)
- ❖ Battery independent design
- ❖ Built-in 120A MPPT solar charger
- ❖ Battery equalization function to optimize battery performance and extend lifecycle
- ❖ RGB Crown logo



Feed In to the Grid 5.6KW



VDC



PV Current



Transfer Time



Max Efficiency 93%



LCD With Touch Pad



RGB Lights

XAVIER

4KW PV-5000

6KW PV-6500

NEW PRODUCT

- ❖ Pure sine wave solar MPPT based inverter
- ❖ Output power factor 1
- ❖ Maximum PV input current increases to 27A
- ❖ Dual outputs, for smart load management
- ❖ Wide PV input voltage range 60VDC~450VDC
- ❖ Feed-in to the grid function (Xavier 6KW)
- ❖ Battery independent design
- ❖ Built-in 120A MPPT solar charger
- ❖ Battery equalization function to optimize battery performance and extend lifecycle
- ❖ RGB Crown logo
- ❖ With inbuilt BMS & WIFI



Built-in WIFI



Built-in BMS



Feed In to the Grid (6KW)



VDC



PV Current



Transfer Time



Max Efficiency 93%



LCD With Touch Pad



RGB Lights

NEW PRODUCT



ARCEUS

PV-6000

5.8KW

- ❖ Pure sine wave solar MPPT based inverter
- ❖ Output power factor up to 1.0
- ❖ Compatible to AC mains or generator inputs
- ❖ 5" LCD display for comprehensive information
- ❖ Battery independent design
- ❖ Parallel up to 9 units (Optional)
- ❖ Auto restart while AC is recovering
- ❖ Configurable AC/Solar input priority via LCD setting
- ❖ Selectable input voltage range for home appliances and personal computer loads
- ❖ Wi-fi module included



Feed In to the Grid



Max PV Input 6000W



Parallel Operation up to 9 units



Works Without Battery



Transfer Time



LCD With Touch Pad



Wi-fi Module Included



ELEGO 6

PV-7000
6000VA / 6000W

- ✦ Pure sine wave solar MPPT based inverter
- ✦ With inbuilt dual output
- ✦ With inbuilt BMS & WIFI
- ✦ With 5" LCD & touch pad
- ✦ With Max. PV input power to 7000W
- ✦ Self-consumption and Feed-in to the grid
- ✦ Programmable supply priority for PV, Battery or Grid
- ✦ User-adjustable charging current and voltage
- ✦ Monitoring software for real-time status display and control
- ✦ Parallel operation up to 9 units
- ✦ Battery Independent System
- ✦ Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup



Built-in Parallel Kit



Feed In to the Grid



Built-in Dual Output



Parallel Operation up to 9 units



Built in Wi fi & BMS



LCD With Touch Pad



Max PV Input 7,000W

IP65

ELEGO 6

PV-7000
6000VA / 6000W

- ✦ Pure sine wave solar MPPT based inverter
- ✦ IP65 waterproof and dust proof makes the inverter available for various working conditions.
- ✦ Self-consumption and Feed-in to the grid
- ✦ Programmable supply priority for PV, Battery or Grid
- ✦ Reserved communication port for BMS (RS485)
- ✦ User-adjustable charging current and voltage
- ✦ Max PV input Power to 7000W
- ✦ Monitoring software for real-time status display and control
- ✦ Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- ✦ Parallel operation up to 9 units
- ✦ Dual output for smart load management
- ✦ LCD with touch pad, with inbuilt BMS



IP65



Feed In to the Grid



Built-in Dual Output



Parallel Operation up to 9 units



Built in Wi fi & BMS



LCD With Touch Pad



Max PV Input 6500W

IP65 ELEGO8

PV-9000
8000VA / 8000W

- IP65 waterproof and dustproof makes the inverter available for various working conditions
- Dual output for smart load management
- Replaceable fan design for ease of maintenance
- Battery independent design
- Configurable AC/PV output usage timer and prioritization
- Selectable high power charging current
- Selectable input voltage range for home appliances and personal computers
- Compatible to Utility Mains or generator input
- Parallel operation up to 6 units
- LCD with touch pad, with inbuilt BMS, with inbuilt WIFI
- Reserved communication port for BMS (RS485, CAN-BUS or Rs232)
- Dual MPP tracker 4500W X 2



IP65



Feed In to
the Grid



Parallel
Operation
up to 6 units



Built in
Wi fi & BMS



NOVA

PV-12000
8.2KW

- Maximum PV input current 40A
- Status indication with RGB lights
- Built-in Wi-Fi for mobile monitoring (Android/iOS App is available)
- Supports USB On-the-Go function
- Reserved communication port for BMS
- With inbuilt dual output
- Battery independent design
- With 5" LCD & touch pad
- Feed-in to the grid
- Built-in anti-dust kit
- Parallel operation with 6 units
- Compatible to Utility Mains or generator input
- Configurable AC/PV output usage timer and prioritization
- Selectable input voltage range for home appliances and personal computers
- Selectable high power charging current



Built-in
Parallel Kit



RS232/485
for BMS



Built-in
Dual Output



Dual MPPT
Input



Built-in
WIFI



Built-in
BMS



Max Efficiency
93%



RGB
Lights



LCD With
Touch Pad



Feed In to
the Grid

**NEW
PRODUCT**



NOVA **PV-12000** 8.6KW

- ✦ New Graphical display with comprehensive information and multi language support.
- ✦ Dual PV inputs, with maximum PV input current 40A.
- ✦ Status indication with RGB Lights.
- ✦ Built-in Wifi for Mobile Monitoring (Android/IOS App is available).
- ✦ Reserved communication port for BMS.
- ✦ Supports USB On-the Go function.
- ✦ With in-built dual outputs for Smart load and normal load.
- ✦ Battery independent design.
- ✦ Feed-in to the Grid option controlled via setting.
- ✦ In-Built washable anti-dust kit.
- ✦ Parallel operation with up to 6 units support.
- ✦ Bigger input range, Compatible to Utility Mains or generator input.
- ✦ Configurable input voltage range for home appliances and personal computers.
- ✦ Selectable high power charging current.



Feed In to the Grid



RS232/485 for BMS



Built-in Dual Output



Dual MPPT Input



Built-in Wi-fi



Built-in BMS



Max Efficiency 93%



RGB Lights



Multi Language Support

NOVA **PV-12000** 9.8KW



- ✦ Maximum PV input current 40A
- ✦ Status indication with RGB lights
- ✦ Built-in Wi-Fi for mobile monitoring (Android/IOS App is available)
- ✦ Supports USB On-the-Go function
- ✦ Reserved communication port for BMS
- ✦ With inbuilt dual output
- ✦ Battery independent design
- ✦ With 5" LCD & touch pad
- ✦ Feed-in to the grid
- ✦ Built-in anti-dust kit
- ✦ Parallel operation with 6 units optional
- ✦ Compatible to Utility Mains or generator input
- ✦ Configurable AC/PV output usage timer and prioritization
- ✦ Selectable input voltage range for home appliances and personal computers
- ✦ Selectable high power charging current



Built-in Parallel Kit



Feed In to the Grid



RS232/485 for BMS



Built-in Dual Output



Dual MPPT Input



Built-in WIFI



Built-in BMS



Max Efficiency 93%



RGB Lights



LCD With Touch Pad

IP65 ELEGO 10KW 12KW 15KW

- ✦ IP65 waterproof and dustproof makes the inverter available for various working conditions.
- ✦ Built-in WiFi for mobile monitoring (App is available)
- ✦ 150% unbalanced load support
- ✦ Maximum PV input current per MPPT 27A
- ✦ Dual outputs for smart load management
- ✦ User-adjustable charging current
- ✦ Reserved communication port for BMS (RS485)
- ✦ Parallel operation up to 6 units
- ✦ LCD with touch pad, inbuilt BMS, inbuilt WIFI



150%
unbalanced
load support



IP65



Feed In to
the Grid



Parallel
Operation
up to 6 units



ELEGO 10KW-10000W 15KW-15000W

- ✦ Pure sine wave solar MPPT based inverter
- ✦ Self-consumption and Feed-in to the grid
- ✦ Programmable supply priority for PV, Battery or Grid
- ✦ User-adjustable battery charging current suits different types of batteries
- ✦ Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- ✦ Built-in timer for various mode of on/off operation
- ✦ Multiple communication for USB, RS-232, Modbus and SNMP
- ✦ Monitoring software for real-time status display and control
- ✦ Parallel operation up to 6 units for 10KW and 15KW



Feed In to
the Grid



Parallel
Operation
up to 9 units



Rs323







Monitoring
Software



Max Efficiency
95%

SINGLE PHASE





ONGRID - INVERTER 1KW ~ 6KW

-  Max. PV voltage up to 600V
DC/AC ratio up to 1.5
-  Type II DC SPD/Type III AC SPD
IP65 protection
-  Compatible for big capacity PV panel
WiFi / 4G Plug optional
-  High efficiency up to 98.3%
Smaller and lighter



THREE PHASE





ONGRID - INVERTER 3 KW ~ 80 KW

-  Max. PV voltage up to 1100V
Type II DC SPD / up to 3 MPPT
-  DC/AC ratio up to 1.5
IP66 protection
-  Compatible for big capacity PV panel
WiFi / 4G Plug optional
-  High efficiency up to 98.7%
Smaller and lighter



THREE PHASE

ONGRID - INVERTER 100KW ~ 250KW

-  1100Vdc, 400Vac
Smart I-V Curve Function
-  Optional AFCI Function
Optional Night SVG Function
-  10 MPPT Tracker, 20 PV Strings Input
DC and AC Type II SPD
-  LED+Bluetooth APP
Max.DC/AC ratio up to 1.5



ESS PV-6000 5KW

All In One Energy Storage System **Battery Solutions**

**NEW
PRODUCT**

Integrated

Pre-programed energy storage system with offgrid solar inverter module and lithium battery modules ;



Flexible

Modular stackable design ,battery capacity to be expanded up to 15.36kWh per tower;



Safe

Build-in top class LiFePO4 battery modules , enhanced safety with intelligent BMS and thermal control ;



Smart

Configurable dual output setting ,save battery backup time for critical loads when grid is not available and PV is not efficient .



Versatile

Selectable input voltage ranges to fit home appliances or personal computer loads ;



User-friendly

Real time display for operation status through 5.5" colorful LCD , easily to be read ;built-in wifi monitoring via mobile APP ,makes life even easier ;



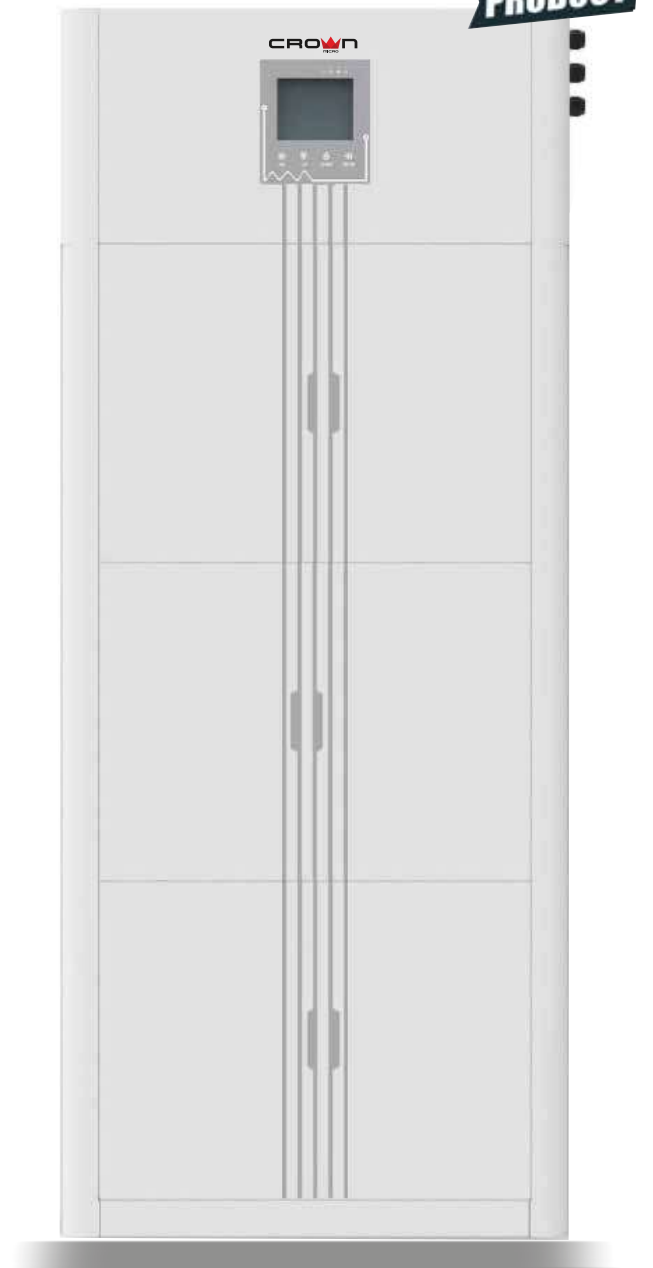
Compact

Modular stand design ,with minimized footprint just about ;



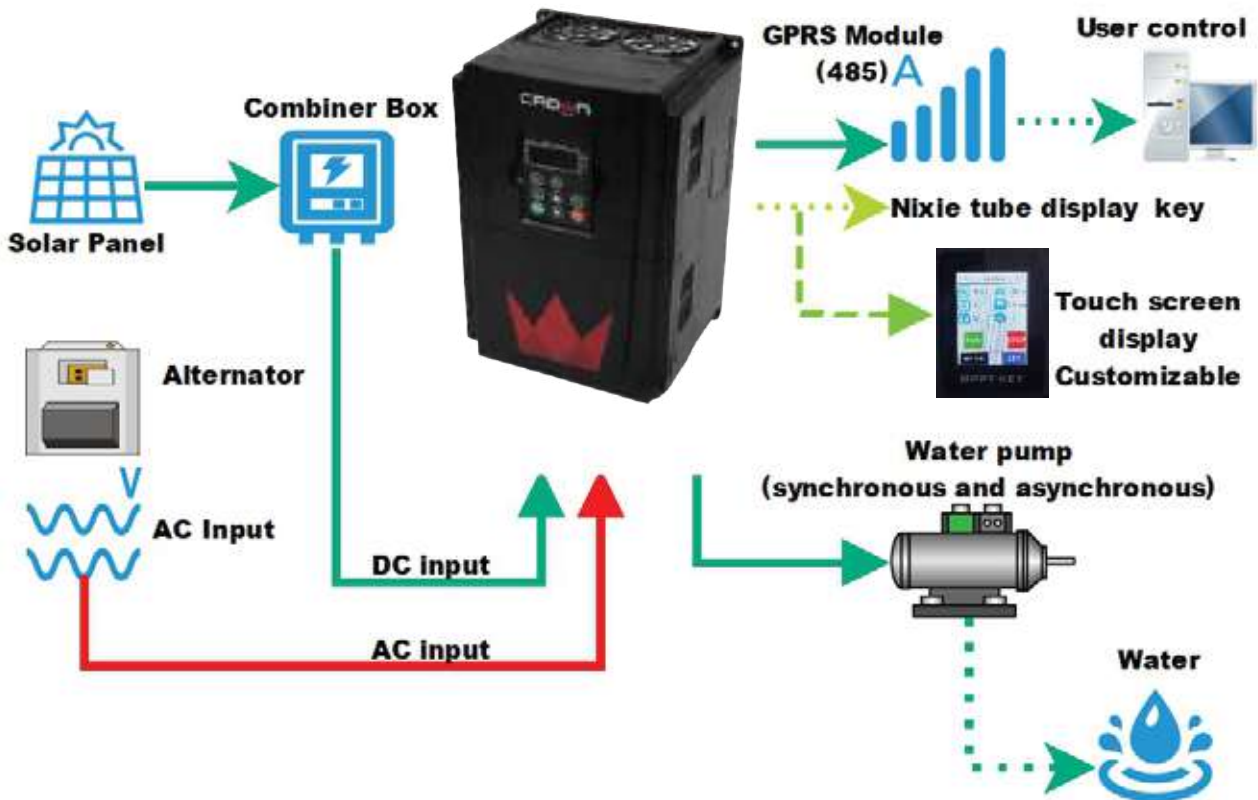
Easily installation

Quick coupling terminal connection ,limited tools needed for installation ;



Supports max 3pcs inverter modules and 9pcs battery modules in parallel ,easily to be extended as 15kW/45kWh by connecting Talegent's smart home panel , sufficient for most residential and commercial energy storage scenarios .

MPPT SOLAR PUMPING SYSTEM



Our VFD's are installed in various regions of Asia and Africa with best results and consistent quality

- ❖ MCU controlled
- ❖ Auto run controlled by program
- ❖ Water level sensors for safe dry run and tank full
- ❖ Remote switch control
- ❖ Online monitoring GPRS / Wifi (optional)
- ❖ Dual power support (Grid & Solar)

LINE INTERACTIVE UPS

500VA to 3000VA

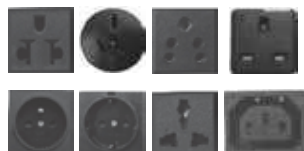


Features

- ✦ LED display or LCD display selectable
- ✦ Microprocessor-based digital control
- ✦ Boost and buck AVR for voltage stabilization
- ✦ Auto sensing frequency
- ✦ Wide input voltage range
- ✦ Power-on self test
- ✦ Cold start
- ✦ Auto restart when mains power is restored
- ✦ Auto track mains phase to ensure that inverter output voltage has same phase with utility voltage, reducing transfer time and peak surge
- ✦ Intelligent battery management: battery temperature compensation to extend the battery life; three-stage charging to shorten recharge time
- ✦ Short circuit, battery overcharge / overdischarge, overload, surge protections
- ✦ Automatic charging in OFF mode
- ✦ Optional no-load shutdown
- ✦ Optional RS232 / USB communication port and RJ11 / RJ45 protection
- ✦ Unattended safety shutdown: system alarm and auto Power-On / Off by RS232 or USB interface communicating with PC

Rear Panel

1. Output Outlets
2. TEL/Modem/Fax surge protection (optional) (selectable)
3. USB (optional)
4. AC Input
5. Fuse
6. AC Breaker
7. Fan



Optional outlets

AVR
AUTOMATIC
VOLTAGE
REGULATION


COOL
START


SHORT
CIRCUIT
PROTECTION


BATTERY
OVERCHARGE
PROTECTION


SURGE
PROTECTION


NETWORK
PROTECTION



ONLINE UPS

1KVA to 20KVA (1:1)

- ✦ Advanced DSP and 3-level technology
- ✦ Output power factor 1.0
- ✦ High efficiency 95% (up to 98% in ECO mode)
- ✦ 50 / 60 Hz frequency auto sensing
- ✦ Flexible battery configuration (settable 16 - 20 pcs batteries)
- ✦ High charging current available (Max. 12 A)
- ✦ Ability to switch on the UPS with batteries
- ✦ LCD+LED display, multi-functional keys operation, friendly human-machine interface
- ✦ Powerful background software for parameters configuration

Available Options

- RS232 and smart card slot included
- Optional parallel function, battery temperature compensation, SNMP card, USB, RS485 card, dry contacts, EMD, and SMS alarms

ONLINE UPS

10KVA to 600KVA (3:1 / 3:3)



- ✦ Advanced dual-core DSP control technology and 3-level technology
- ✦ System efficiency is improved to 95%, energy saving rate is doubled
- ✦ Output power factor 1.0
- ✦ Dual input design, supporting independent bypass
- ✦ Work efficiency up to 98% in ECO mode
- ✦ Conformal coating technology to make UPS operate in harsh environment for a long time
- ✦ Zero switching time for UPS power supply mode when the mains power is unstable, ensuring the output is uninterrupted
- ✦ 5 inches LCD colorful touch screen, friendly human & machine interface
- ✦ Linear derating in low voltage input, reducing battery discharging times, extending the service life of battery
- ✦ Standard RS232, USB, RS485, EPO, Dry contacts, Parallel port
- ✦ Optional SNMP card, WI-FI card, GPRS card, SMS alarms

LITHIUM-ION BATTERY

NEW
PRODUCT

CMLB-51-100- WM

The battery module consists of single LFP cells, wire, BMS and container.

- Packed with high performance LFP single cell, long life, safety and wide temperature range
- High energy density, small size, light weight, no pollution
- Packing with single cell container, fire retardant wire and laser welding, stable and safe
- Built-in BMS, with battery voltage, current, temperature and health management
- LED indicate the battery SOC and operating status
- LCD Screen display the battery voltage, current, temp., SOC detail information
- Support communicate with solar inverter by CAN or RS485
- Update software by RS485 port
- Flexible customization of dimensions
- More than 15 years design life
- Stable performance, maintenance-free



6000
Cycle Life

15
Years
Design Life

Built in
BMS

GRADE A
Cells



NEW
PRODUCT



LITHIUM-ION BATTERY

CMLB-51-200- WM

The battery module consists of single LFP cells, wire, BMS and container.

- Packed with high performance LFP single cell, long life, safety and wide temperature range
- High energy density, small size, light weight, no pollution
- Packing with single cell container, fire retardant wire and laser welding, stable and safe
- Built-in BMS, with battery voltage, current, temperature and health management
- LED indicate the battery SOC and operating status
- LCD Screen display the battery voltage, current, temp.,SOC detail information
- Support communicate with solar inverter bu CAN or RS485
- Update software by RS485 port
- Flexible customization of dimensions
- More than 15 years design life
- Stable performance, maintenance-free

6000
Cycle Life

15
Years
Design Life

Built in
BMS

GRADE A
Cells



**NEW
PRODUCT**



LITHIUM-ION BATTERY

12.8-100AH - 12.8-200AH

Crown Micro CMLB series use quality trustable LiFePO4 cells, with built -in BMS system. IP65 protection, support series and parallel use, is an ideal choice for outdoor, small energy storage, marine and other fields.

- 👑 Safest lithium battery technology
- 👑 Lithium iron Phosphate Battery (LiFePO₄)
- 👑 Eco-Friendly
- 👑 Special protection plate, supporting parallel
- 👑 Multiple safety protection
- 👑 20 Years designed service life
- 👑 Intelligent balancing function

AGM BATTERIES

5AH to 200AH



GEL BATTERIES

100AH to 250AH

Energy Storage Battery
VRLA AGM | Non-spillable | Maintenance Free



CROWN  **n**
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CROWN MICRO FZCO

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