

# encore

## The Advanced Solar Hybrid Inverter



**PoweredON<sup>®</sup>**



- Off-Grid & On-Grid Applications
- Dual Outputs For Smart Load Management
- Robust, Long Life & User Friendly

● With battery connected



**Easy access**

Two outputs for smart load management



**Interface**

Global cloud platform mobile APP



**Battery**

Battery equalization function extend lifecycle



**Max PV input**

Designed with 27A PV input



**On-grid and Off-grid**

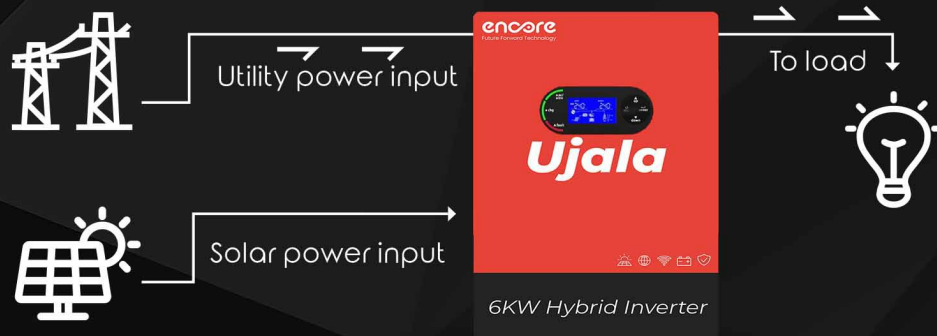
Best Suited for Hybrid Projects



**Protect**

Built-in anti-dust kit for harsh environment

● Without battery connected



# Specifications

MODEL	Ujala 6000
AC INPUT	
AC Voltage	230 VAC
Voltage Range	170-280VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)
Frequency Range	50/60Hz (Auto-sensing)
AC OUTPUT	
Surge Power	12000 VA
AC Voltage Regulation	230VAC $\pm$ 5%
Rated Frequency	50/60Hz
Efficiency (Peak)	93%
Transfer Time	10ms (For Personal Computers) ; 20ms (For Home Appliances)
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	63 VDC
Battery Type	Lithium/Lead-acid
SOLAR CHARGER & AC CHARGER	
Maximum PV Array Power Open Voltage (V)	500 VDC
Maximum PV Array Power	7000 W
MPPT voltage range(V)	60~450VDC
Maximum input current	27A
MPPT tracker/strings	1
Maximum solar charge current	120 A
Maximum AC charge current	100 A
Maximum charge current	120 A
PROTECTION & FEATURE	
AC overcurrent	Yes
AC overvoltage	Yes
Over temperature protection	Yes
Smart load management	Yes
On Grid	Yes
Parallel Function	Yes (Optional)
GENERAL PARAMETERS	
Operation temperature	-10°C ~ 50°C
Relative humidity	5% ~ 95% (Non-condensing)
Altitude	(2000m Derating)
Dimensions DxWxH(mm)	466*313*136.5
Net Weight(KG)	9
DISPLAY AND COMMUNICATION	
Display	Touch buttons
Interface	Standard:RS232,USB; CAN&RS485; Optional:WiFi,Bluetooth
Safety standard	EN/IEC62109-1,EN/IEC62109-2

**NOTE:** Specifications are subject to change without prior notice.





"**Encore ThingsNET** provides easy-to-use visibility and control options; which makes us capable of providing the most perfect corporate solutions by maximizing service efficiency. Our prized RMS is a complete IOT solution that brings together people, processes, data and things; to make networked connections more relevant and valuable than ever before!"



"**Encore StoreBOX** provides incomparable longevity and optimization statistics. The embeded microcomputer intelligence, along with our sophisticated proprietary algorithm that goes in each unit, makes us stand out from the rest of the herd. With extensive R&D, we unravel storage solutions that are better than anything out there!"



"**Encore PoweredON** is the energy centric platform of our organization. Our smart product designs offer fully featured devices with the most efficiently designed footprints. Mixing this up with our state-of-the-art proprietary algorithm and our relentless R&D towards innovating renewable energy systems, we provide the most optimal power solutions."

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