



NEW PRODUCT BULLETIN

Number 12 - 2023

# **PURE SINE WAVE INVERTERS**

# ·PROFESSIONAL SERIES·

When you require high

quality electrical power!

# **NEW TO HULK PROFESSIONAL SERIES** IS THE NEW PURE SINE WAVE INVERTER RANGE!



Seven Inverters are available, offering both 12V and 24V input with pure sine wave output up to 240V, featuring a completely electrically isolated design, a full digital double closed-loop control and advanced SPWM technology. All units are compatible with lithium batteries and adopt current surge suppression technology to effectively prevent the surge current from damaging the lithium battery cells and the BMS. With an excellent EMC (Electro Magnetic Compatibility) characteristic, the inverters are suitable for all occasions with high power quality requirements and can be widely used in DC to AC areas such as solar AC power systems, vehicle systems or in RV power supply.

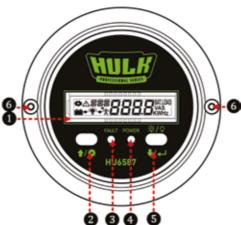
They are also suitable for security monitoring systems, emergency lighting systems, field power systems or household power systems, with the included USB port capable of charging mobile phones. DC fans and other electrical equipment. User-friendly and able to be remotely controlled, the inverter's LCD screen is rotatable to simplify the system wiring. Backed by a two-year warranty, the Pure Sine Wave Inverters have extensive protections in place against input reverse polarity, under voltage, over voltage, output overload, short circuiting, and overheating. With HULK Professional Series Pure Sine Inverters, user will be able to power their sensitive appliances and electronics with ease.

## **KEY FEATURES**

#### **BACKLIT LCD DISPLAY:**

Rotatable display to simplify system wiring. This will allow parameters to be monitored and configured in real-time:

- Voltage (Input & Output)
- Low/Over Voltage (Disconnect & Reconnect)
- Output Frequency
- Temperature
- Short Circuit
- Overload
- Backlit Time



- 2 UP / Setting Button
- Fault Indicator (Red)
- 4 Power Indicator (Green) 5 DOWN / Enter button **Output ON / OFF button**
- 6 Fixing Screws

OUTLET TYPE	OUTLET APPEARANCE	SUITS	OUTLET #
A - AUSTRALIA		HU6580 HU6585	1 PIECE
		HU6581 HU6582 HU6587	2 PIECE
TA - TERMINAL + AUSTRALIA		HU6583 HU6588	TERMINAL: 1 PIECE OUTLET: 1 PIECE

### PROVIDING HIGH QUALITY ELECTRICAL POWER

Bring the comforts of home to the great outdoors on RVs, boats, caravans, 4WD or commercial vehicles and power sensitive appliances, not limited to:

- Air Conditioner Fridge

• Laptop

• Solar AC Power System

• Coffee Machine

- Microwave
- Kettle
- RV & Marine Power Supply

- Power Tools
- Toaster
- Sandwich **Press**
- Television
- Emergency Lighting
- Washing Machine
- Security Monitor **System**



### **EXTENSIVE PROTECTIONS:**

All units are compatible with lithium batteries and adopt current surge suppression technology to effectively prevent the surge current from damaging the lithium battery cells and the BMS.

#### **RCM & EMC SAFETY APPROVED:**

Complies with International Safety Standards (EN/IEC62109).

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AUS: cooldrive.com.au NZ: cooldrive.co.nz AUS: cooldrive.com.au NZ: cooldrive.co.nz















HU6580

HU6581

HU6582

HU6583

HU6585

HU6587

HU6588















	UTES, 4X4S, VANS, CAMPERS, RVS, HEAVY DUTY TRUCKS, FIRE TRUCKS & AMBULANCE VEHICLES!
SUITABLE FOR THE FOLLOWING APPLICATIONS:	UTES, 4X4S, VANS, CAMPERS, RVS, HEAVY DUTY TRUCKS, FIRE TRUCKS & AMBULANCE VEHICLES!

PART NUMBER	HU6580	HU6581	HU6582	HU6583	HU6585	HU6587	HU6588
VOLTAGE RANGE	12V - 240V	12V - 240V	12V - 240V	12V - 240V	24V - 240V	24V - 240V	24V - 240V
WATTAGE	500W	1,000W	2,000W	3,000W	500W	2,000W	3,000W
AC OUTLET	240V						
CONTINUOUS POWER OUTPUT	500W@35°C @Rated input voltage	1,000W@35°C @Rated input voltage	2,000W@35°C @ Rated input voltage	3,000W@35°C @ Rated input voltage	500W@35°C @Rated input voltage	2,000W@35°C @ Rated input voltage	3,000W@35°C @ Rated input voltage
SURGE POWER	1,000W@5S	2,000W@5S	4,000W@5S	6,000W@5S	1,000W@5S	4,000W@5S	6,000W@5S
SURGE CURRENT	<50A	<100A	<100A	<100A	<50A	<100A	<100A
OUTPUT VOLTAGE	220VAC(33%); 230VAC(-7%~+3%)	220VAC(33%); 230VAC(-7%~+3%)	220VAC(33%); 230VAC(-7%-+3%)	220VAC(33%); 230VAC(-7%~+3%)	220VAC(33%); 230VAC(-7%-+3%)	220VAC(33%); 230VAC(-7%~+3%)	220VAC(33%); 230VAC(-7%~+3%)
OUTPUT FREQUENCY	50/60HZ30.2%						
OUTPUT DISTORTION THD	THD≤3%(Resistive load)						
LOAD POWER FACTOR	0.2~1(VA≤continuous output power)	0.2-1(VA≤continuous output power)					
RATED INPUT VOLTAGE	12VDC	12VDC	12VDC	12VDC	24VDC	24VDC	24VDC
INPUT VOLTAGE RANGE	10.8~16.0VDC	10.8~16.0VDC	10.8~16.0VDC	10.8~16.0VDC	21.6~32VDC	21.6~32.0VDC	21.6~32.0VDC
RATED OUTPUT EFFICIENCY	>89.5%	>89%	>88%	>87%	>91.5%	>91%	>90%
MAX. OUTPUT EFFICIENCY	>90% (40% loads)	>93% (40% loads)	>94%(30%loads)	>94% (30% loads)	>92% (40% loads)	>94%(30%loads)	>94% (30% loads)
IDLE CURRENT	<0.2A	<0.2A	<0.2A	<0.2A	<0.15A	<0.2A	<0.2A
NO-LOAD CURRENT	<0.9A	<1.1A	<1.2A	<1.6A	<0.6A	<1.0A	<1.0A
USB OUTPUT	5VDC/Max.1A						
RS485 COM. PORT	5VDC/200mA	5VDC/200mA	5VDC/ 200mA	5VDC/ 200mA	5VDC/200mA	5VDC/ 200mA	5VDC/ 200mA
INPUT TERMINAL	М6	M6	M10	M10	M6	M6	M6
DIMENSIONS	286mm X 163.5mm X 78mm	371mm X 231.5mm X 123mm	420mm X 231.5mm X 123mm	557mm X 231.5mm X 123mm	286mm X 163.5mm X 78mm	420mm X 231.5mm X 123mm	521mm X 274mm X 148mm
NET WEIGHT	2.2KG	5.8KG	8KG	10.5kg	2.2KG	6.5kg	8kg
RELATIVE HUMIDITY	<95%(N.C.)						
ENCLOSURE IP RATING	IP20						