DURACELL®
POWER CENTER

POWER UNINTERRUPTED

MAX HYBRID 15 + DURA 5

INVERTER + STACKABLE BATTERY SYSTEM

The Max Hybrid 15 inverter paired with DURA 5 stackable batteries delivers scalable whole-home backup — clean, safe, and reliable, with or without solar.

- **Up to 80 kWh of storage**
  Stack up to 16 DURA 5 batteries per inverter, in groups of up to 4.
- **200A whole-home protection**
- **Compatible with new or existing PV systems**
- **10-year warranty**





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MAX HYBRID 15

INVERTER · DATASHEET



Experience uninterrupted power with Duracell Power Center's Max Hybrid 15 inverter. Designed for residential and commercial use, this advanced inverter provides seamless electricity flow during outages.

With a 15,000-watt capacity, it powers multiple appliances simultaneously. The hybrid functionality intelligently switches between grid power and battery power for maximum efficiency and reduced costs. Safety features protect your devices from overload and short-circuits. Its sleek design and easy installation make it an ideal choice.

Trust Duracell for reliable performance and peace of mind in powering your world.

Battery Configurations

Model	15-15	15-20	15-25	15-30	15-40	15-50	15-60	15-70	15-80
Capacity (kWh)	15	20	25	30	40	50	60	70	80
# of Stackable Modules	3	4	5	6	8	10	12	14	16
Grid to Battery Charge Efficiency	92.3%								

AC Output Power 15kW On-Grid & Off-Grid

Connections	120/240/208V Split Phase
Continuous AC Power with PV	15,000W 62.5A-L (240V)
Continuous AC Power from Batteries	12,000W 50A-L (240V)
Total Harmonic Distortion	THDi 2.2%, THDv 1.5%
Surge AC Power 10sec	24,000VA L-L (240V)
Surge AC Power 100ms	30,000VA L-L (240V)
Fault Current 5sec	94A w/PV | 75A w/o
Fault Current 100ms	PV 120A
Parallel Stacking	Yes – Up to 12
Frequency	60 Hz
Continuous AC Power with Grid or Generator	48,000W 200A L-L (240V) 24,000W 200A L-N (120V)
CEC Efficiency	96.5% (Peak 97.5%)
Idle Consumption Typical – No Load	90W
Sell Back Power Modes	Limited to Household/ Fully Grid-Tied
Design (DC to AC)	Transformerless DC
Response Time (Grid-Tied to Off-Grid)	5ms
Power Factor	+/-0.9-1.0

Protections & Measurements

Listed by SGS to UL 1741 SB, Certificate SGSNA/23/GZ/00187	Yes
Grid Sell Back UL 1741 SB, IEEE 1547:2018	Yes
PV DC Disconnect Switch – NEC 240.15	Integrated
Ground Fault Detection – NEC 690.5	Integrated
PV Arc Fault Detection – NEC 690.11	Integrated
Rapid Shutdown – NEC 690.12	Integrated
PV Input Lightning Protection	Integrated
PV String Input Reverse Polarity Protection	Integrated
AC Output Breakers – 200A	Integrated
200A x 2 Battery Breaker / Disconnect	Integrated
Surge Protection	DC Type II / AC Type III
Environmental Category	NEMA 3R / IP65
Ambient Temperature	-25 to 55°C (-13 to 131°F) Derating above 45°C (113°F)
Dimensions (H x W x D)	33 x 19.4 x 12 in. (838 x 494 x 306 mm)
Weight	135 lbs.

Certifications

UL 1741 3rd Edition, including Supplement SB
UL 1741 CRD PCS
UL 1699B
CSA C22.2 No. 107.1-16
IEEE 1547:2018 and IEEE 1547.1:2020
HECO SRD V2.0 (Rule 14H)
CA Rule 21
FCC Part 15 Class B

Solar

Max Allowed PV Power	19,500W
Max PV Power Delivered to Battery & AC Outputs	15,000W
Max DC Voltage (Voc)	500V @ 26A
MPPT Voltage Range	175-425V
Starting Voltage	125V
Number of MPPT	3
Max Solar Strings Per MPPT	2
Max DC Current per MPPT (Self Limiting)	26A
Max AC Coupled Input (Micro/String Inverters)	19,200W

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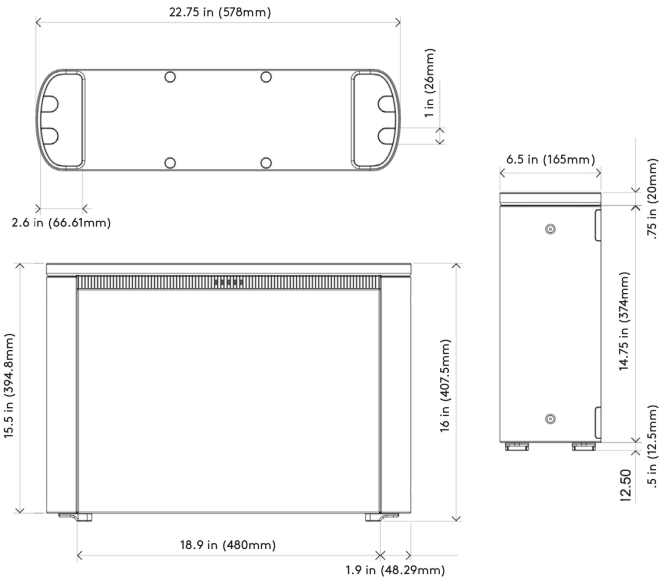


STACKABLE UP TO FOUR UNITS HIGH

16 BATTERIES PER INVERTER, IN GROUPS OF UP TO 4

The Dura 5 is a 51.2V DC-coupled battery that seamlessly integrates with the Max Hybrid 15 inverter, providing reliable backup power and efficient energy management.

Designed for flexibility, it features a NEMA 3R rating for outdoor use, supports stacking up to four units high, and allows for 16 batteries per inverter, ensuring scalable storage for various energy needs.



Basic Parameters	
Nominal Voltage (Vdc)	51.2
Nominal Capacity (Wh)	5120
Usable Capacity (Wh)	4864
Depth of Discharge (%)	95
Dimensions	15.5 x 22.75 x 6.5 in. (395 x 578 x 165 mm)
Weight	99.2 lbs. (45 kg)
Discharge Voltage (Vdc)	44.8-56.8
Charge Voltage (Vdc)	56.0-56.8
Recommended Charge/Discharge Current (A)*	80
Max. Charge/Discharge Current (A)	100-120 @ 15min
Peak Charge/Discharge Current (A)	120-200 @ 15sec
Communication	RS485, CANbus
Connection	USB 2.0
Configuration (max. amount per system)	16 pcs

Operating, Environmental & Compliance	
Working Temperature	0 to 50°C (32 to 122°F) Charge -10 to 50°C (14 to 122°F) Discharge
Shelf Temperature	0 to 40°C (32 to 104°F) — 6 months -20 to 45°C (-4 to 113°F) — 3 months
Short Circuit/Duration Time	<2000A/1ms
Cooling Type	Natural
Protection Class	Class I
NEMA/IP Rating of Enclosure **	3R/IP65
Operating Humidity	5%-95% RH (No Condensation)
Altitude	≤13,000 ft (4000m)
Design Life	15+ Years (77°F/25°C)
Cycle Life	>6000 (@77°F/25°C)
Compliance	UL 9540 (3rd Edition) DC ESS, Intertek Report 2506B1618SHA-001; UL 1973; UL 9540A

* Derating depends on voltage, SOC, and temperature.

** NEMA 3R/IP65 rating based on the proper installation of the product as outlined in the installation manual.

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