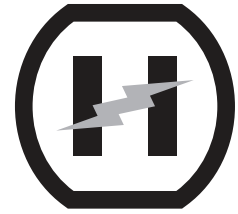


HUMLESS POWER

5 kWh (5U) Lithium-Iron Phosphate (LiFePO4)

The Humless 5 kWh is ideal for residential, commercial, and emergency applications.



HUMLESS™

kWh	Cycle Life	Weight	Dimensions*
4.92	4,000+	106 lbs	17" x 16.625" x 8.75"



GENERAL SPECIFICATIONS

Nominal voltage	51.2 V
Voltage range	44-56.8 V
Capacity (Ah)	96 (Ah)
Continuous charging current	100 A
Continuous discharging current	100 A
Charge/discharge rate	1C
Peak current	120 A, ≤ 0.3s
Storage temperature	<86°F, SOC between 20%-60%
Output	Bolt terminal
Communication type	Double RS485
Protection function	Over-charge ; over-discharge ; over-current ; short circuit ; temperature protection
Part number	LFP48100-P5KWH

FEATURES & COMPLIANCE

Compatibility	All PV inverter manufacturers & grid-tied PV systems
Compliance	UL 1973, UL 1642, UN 38.3 Certified UL 1940 standard pair with Humless 6 kW, Sol-Ark 12K and 15K
Stacking	Up to 15 units in parallel

BATTERY AND VOLTAGE INFORMATION

Bulk/CV voltage	56 V
Float	56 V
Low cut off	46 V
Recharge	50-51 V
Battery activation	Press RST with pen or small screwdriver

MECHANICAL DATA

*Dimensions	17" x 16.625" x 8.75" (Handles included in dimension)
Handles	1.5" tall
Weight	106 lbs
Installation	Rack or Floor mounted
Cooling	Natural convection - no fan
Case material	Metal
Minimum spacing requirements between batteries in racking	0.20"

WARRANTY

Limited warranty	10 years or 4000 cycles
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BATTERY CHEMISTRY

Energy	4,920 Wh (100% DOD @ 0.2C Rate @ 77°F)
Chemistry	Lithium-Iron Phosphate (LiFePO4)
Cycle life	4000+ cycles (@0.2CA 80%DOD)
Temperature range	14°F to 113°F





5 kWh LiFePO₄ Battery

Model Num	LFP48100-5KWH
Battery Type	LiFePO ₄ (LFP)
Rate Voltage	51.2 Vdc
Voltage Range	44 Vdc - 56.8 Vdc
Rate Capacity	96 Ah
Charge Voltage	56.8 Vdc
Rate Energy	4.92 kWh
Max Cont. Charge	100 A
Max Cont. Discharge	100 A
Peak Current	120 A ≤ 0.3 sec
IP Level	IP30
Short Circuit Current	440 A, <500uS
Date	30/07/2020

- Certified to ANSI/CAN/UL STD 1973
- Installation and repair by certified technicians only.
- **DO NOT** cross polarity of the battery.
- **DO NOT** drop, squeeze, puncture, strike, heat, burn, contort, or disassemble battery.
- **KEEP AWAY** from children and animals.
- **KEEP AWAY** from water and store in a **DRY** location.



Intertek
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