



## iDES<sup>3</sup> RESIDENTIAL - ECHO SERIES

≤18 KWH, MODEL: IDES3-ECHO-18



- Net Metering not required
- Uninterrupted power supply
- Reliability with the lowest cost of power
- Industry leading 25-year warranty
- Hybrid Financing available
- Local Sales & Installation Support
- Made in California
- Remote monitoring

### WHAT'S INSIDE?

*The iDES<sup>3</sup> is comprised of a fifth generation Lithium Iron Phosphate LiFePO<sub>4</sub>, prismatic cell battery chemistry. Every one of our battery systems includes a brand new control system that allows for 100% energy use in each cell, with configuration options that last up to 25-years!*

*We have an iDES<sup>3</sup> system that can meet any budget and any load demand, whether you want to recharge your electric vehicle, power a few circuits during power outages or cover your entire home or business for complete energy independence. Our turnkey solutions make it easy, safe and cost effective to install, with zero maintenance!*



**iDES<sup>3</sup> RESIDENTIAL**  
 THE ONLY ENERGY STORAGE  
 SOLUTION ON THE MARKET FOR  
 YOUR WHOLE BUILDING OR HOME!



**iDEMAND ENERGY STORAGE - GENERAL SPECIFICATIONS - 9-18 kWh**

<b>NETWORK</b>	CAN/MODBUS/COMBOX
<b>DC SPECIFICATIONS</b>	
<b>DC OUTPUT NOMINAL</b>	48 V (9kWh - 180 AH, 18kWh - 360 AH)
<b>BATTERY EFFICIENCY</b>	98.5
<b>GROUND FAULT PROTECTION W/INDICATOR</b>	GFDI RATED: 1 A
<b>DC BUS GROUND</b>	ENCLOSURE GROUND
<b>AC COUPLING CHARGING VOLTS:</b>	194-264V
<b>BATTERY SPECIFICATIONS</b>	
<b>BATTERY CHEMISTRY</b>	LiFePO4 Prismatic Cell
<b>BATTERY VOLTAGE</b>	48 V NOMINAL - 40-64 VDC OP. RANGE
<b>MAX. DISCHARGE RATE</b>	2C CONTINUOUS
<b>MAX. CHARGE RATE</b>	1C
<b>UNDER/OVER VOLTAGE PROTECTION</b>	YES, MONITORED
<b>CYCLE LIFE</b>	25-YEARS
<b>BATTERY MANAGEMENT SYSTEM</b>	PROGRAMMED SOC/CALIBRATED W/CHARGER
<b>LITHIUM CONTENT</b>	9kWh = 5.19 lb; 18kWh = 10.38 lb
<b>MECHANICAL SPECIFICATIONS</b>	
<b>ENCLOSURE</b>	NEMA 1 (OPTIONAL NEMA 3R)
<b>MATERIAL</b>	MILD STEEL
<b>COATING</b>	POWDER COAT
<b>MOUNTING</b>	ANCHORED TO CONCRETE SLAB/LAG BOLTED TO WALL
<b>DISCONNECT</b>	48V 600 A, DC
<b>GROUNDING</b>	UTILITY GROUND
<b>VENTILATION REQUIRED</b>	NONE
<b>DIMENSIONS</b>	40" H X 25" W X 18" D
<b>TOTAL UNIT WEIGHT</b>	9kWh = 435 lbs; 18kWh = 632 lbs
<b>SHUTDOWN</b>	RAPID SHUTDOWN READY
<b>CERTIFICATIONS</b>	
<b>COMPLIANCE UPDATED REGULARLY</b>	CE, UL1642, UL1973, UL9540, US38.3, CPUC INTERCONNECTION RULE 21, NEC/CEC 690 and 480





## iDES<sup>3</sup> RESIDENTIAL - ECHO SERIES

≤36 KWH, MODEL: IDES3-ECHO-36



- Net Metering not required
- Uninterrupted power supply
- Reliability with the lowest cost of power
- Industry leading 25-year warranty
- Hybrid Financing available
- Local Sales & Installation Support
- Made in California
- Remote monitoring

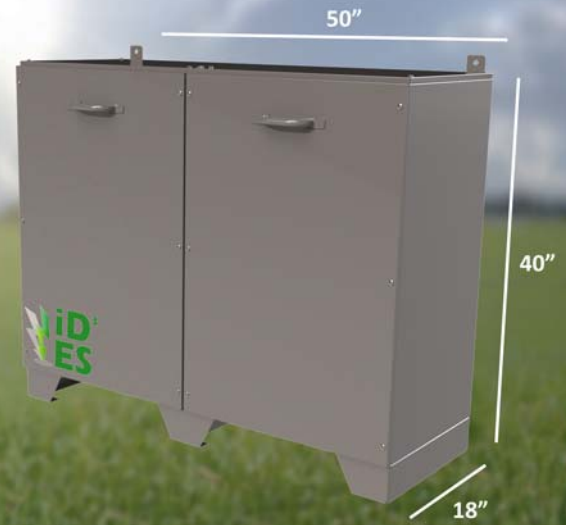
### WHAT'S INSIDE?

*The iDES<sup>3</sup> is comprised of a fifth generation Lithium Iron Phosphate LiFePO<sub>4</sub>, prismatic cell battery chemistry. Every one of our battery systems includes a brand new control system that allows for 100% energy use in each cell, with configuration options that last up to 25-years!*

*We have an iDES<sup>3</sup> system that can meet any budget and any load demand, whether you want to recharge your electric vehicle, power a few circuits during power outages or cover your entire home or business for complete energy independence. Our turnkey solutions make it easy, safe and cost effective to install, with zero maintenance!*



**iDES<sup>3</sup> RESIDENTIAL**  
 THE ONLY ENERGY STORAGE  
 SOLUTION ON THE MARKET FOR  
 YOUR WHOLE BUILDING OR HOME!



**iDEMAND ENERGY STORAGE - GENERAL SPECIFICATIONS - 27-36 kWh**

<b>NETWORK</b>	CAN/MODBUS/COMBOX
<b>DC SPECIFICATIONS</b>	
<b>DC OUTPUT NOMINAL (AMP-HOUR)</b>	48 V (27kWh - 540 AH, 36kWh - 720 AH)
<b>BATTERY EFFICIENCY</b>	98.5
<b>GROUND FAULT PROTECTION W/INDICATOR</b>	GFDI RATED: 1 A
<b>DC BUS GROUND</b>	ENCLOSURE GROUND
<b>AC COUPLING CHARGING VOLTS:</b>	194-264V
<b>BATTERY SPECIFICATIONS</b>	
<b>BATTERY CHEMISTRY</b>	LiFePO4 Prismatic Cell
<b>BATTERY VOLTAGE</b>	48 V NOMINAL - 40-64 VDC OP. RANGE
<b>MAX. DISCHARGE RATE</b>	2C CONTINUOUS
<b>MAX. CHARGE RATE</b>	1C
<b>UNDER/OVER VOLTAGE PROTECTION</b>	YES, MONITORED
<b>CYCLE LIFE</b>	25-YEARS
<b>BATTERY MANAGEMENT SYSTEM</b>	PROGRAMMED SOC/CALIBRATED W/CHARGER
<b>LITHIUM CONTENT</b>	27kWh = 15.57 lb; 36kWh = 20.76 lb
<b>MECHANICAL SPECIFICATIONS</b>	
<b>ENCLOSURE</b>	NEMA 1 (OPTIONAL NEMA 3R)
<b>MATERIAL</b>	MILD STEEL
<b>COATING</b>	POWDER COAT
<b>MOUNTING</b>	ANCHORED TO CONCRETE SLAB/LAG BOLTED TO WALL
<b>DISCONNECT</b>	48V 600 A, DC
<b>GROUNDING</b>	UTILITY GROUND
<b>VENTILATION REQUIRED</b>	NONE
<b>DIMENSIONS</b>	40" H X 50" W X 18" D
<b>TOTAL UNIT WEIGHT</b>	27kWh = 1027 lbs; 36kWh = 1224 lbs
<b>SHUTDOWN</b>	RAPID SHUTDOWN READY
<b>CERTIFICATIONS</b>	
<b>COMPLIANCE UPDATED REGULARLY</b>	CE, UL1642, UL1973, UL9540, US38.3, CPUC INTERCONNECTION RULE 21, NEC/CEC 690 and 480