



iDES³ ALPHA SERIES

36 KWH, EXPANDABLE TO 324 KWH, MODEL: IDES3-ALPHA



- 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 iDES³ is comprised of a fifth generation Lithium Iron Phosphate LiFePO₄, 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 iDES³ 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!





iDES³ ALPHA™
 THE ONLY ENERGY STORAGE
 SOLUTION ON THE MARKET FOR
 YOUR WHOLE BUILDING OR HOME!



iDEMAND ENERGY STORAGE - GENERAL SPECIFICATIONS - 36-324 kWh

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| NETWORK | CAN/MODBUS/COMBOX |
| DC SPECIFICATIONS | |
| DC OUTPUT NOMINAL (AMP-HOUR) | 48 V (36kWh - 720 AH, 72kWh - 1440 AH, 108kWh - 2160 AH, 144kWh - 2880 AH, 180kWh - 3600AH, 216kWh - 4320 AH, 252kWh - 5040 AH, 288kWh - 5760 AH, 324kWh - 6480 AH) |
| BATTERY EFFICIENCY | 98.5 |
| GROUND FAULT PROTECTION W/INDICATOR | GFDI RATED: 1 A |
| DC BUS GROUND | ENCLOSURE GROUND |
| AC COUPLING CHARGING VOLTS: | 194-264V |
| BATTERY SPECIFICATIONS | |
| BATTERY CHEMISTRY | LiFePO4 Prismatic Cell |
| BATTERY VOLTAGE | 48 V NOMINAL - 40-64 VDC OP. RANGE |
| MAX. DISCHARGE RATE | 2C CONTINUOUS |
| MAX. CHARGE RATE | 1C |
| UNDER/OVER VOLTAGE PROTECTION | YES, MONITORED |
| CYCLE LIFE | 25-YEARS |
| BATTERY MANAGEMENT SYSTEM | PROGRAMMED SOC/CALIBRATED W/CHARGER |
| LITHIUM CONTENT | 36kWh = 20.76 lb, 72kWh = 41.52 lb, 108kWh = 62.28 lb, 144kWh = 83.04 lb, 180kWh = 103.8 lb, 216kWh = 124.56 lb, 252kWh = 145.32 lb, 288kWh = 166.08 lb, 324kWh = 186.84 lb |
| MECHANICAL SPECIFICATIONS | |
| ENCLOSURE | NEMA 3R |
| MATERIAL | MILD STEEL |
| COATING | POWDER COAT |
| MOUNTING | ANCHORED TO CONCRETE SLAB/LAG BOLTED TO WALL |
| DISCONNECT | 48V 600 A, DC |
| GROUNDING | UTILITY GROUND |
| VENTILATION REQUIRED | NONE |
| DIMENSIONS | 72"H x WIDTH VARIES* x 25" D, *WIDTH VARIES BASED ON MODEL |
| TOTAL UNIT WEIGHT | WEIGHT VARIES, CONTACT DEALER |
| SHUTDOWN | RAPID SHUTDOWN READY |
| CERTIFICATIONS | |
| COMPLIANCE UPDATED REGULARLY | CE, UL1642, UL1973, UL9540, US38.3, CPUC INTERCONNECTION RULE 21, NEC/CEC 690 and 480 |

