



SiteReach Energy Systems
High Voltage BESS System



Design# 4682-006P

SRE30-287HV
30 KW Output Max
240Vac - 60Hz-3ph

REVISIONS

DRAWN BY: CRK

REVIEWED BY: BLM

SCALE:
Dimensions as shown

369zero Company
OP-1 DRAFT
crkna 12-12-2023

512V/560AH ESS (286.6 kWh)
20 batteries / 280ah ea / 51.2V

The battery system includes Master BMS units for each cluster:

Cluster One: 16 x 3.2V 280Ah cells in serial of a module unit (51.2V 280Ah) / Dim. 442*750*234mm

Cluster Two: 10 x 51.2V 280Ah modules are connected in series to form a battery cluster (512V 280Ah) / Dim 1200*800*1600mm (47.24*x31.5*x63.99")

Two 512V 280AH battery clusters are connected in parallel to form a 286.7KWH battery system
51.2v 280ah=14.33kwh *10=143kwh/2=286kwh

- ① Hybrid Inverter programmable for PV-Gen-Grid output 240Vac-72A-3-4-60Hz
- ② Battery System Power Cluster Distribution Cabinet
- ③ Shore Disconnected / Power Output to Shore
- ④ Fire Suppression System / Alarm-Alert Sensor System
- ⑤ HVAC System
- ⑥ Ventilation System