

# Energy Storage System

## 400K-2H Power Supply



### PRODUCT INTRODUCE

- ◆ EMS and PCS integrated technology, Support grid connection and Off grid , prevent reverse current, dynamically adjusting power
- ◆ Battery Auxiliary power supply redundancy design, support black start function ,
- ◆ Passive Balance Intelligent BMS, providing complete protection, can effectively extend cycle life of battery packs
- ◆ Lithium Iron Phosphate (LFP) Battery
- ◆ Using Heptafluoropropane fully submerged fire fighting system
- ◆ Emergency stop button to quickly stop the system , Support for remote control

### PRODUCT CERTIFICATES

SYSTEM:UN3536,IEC62477

BATTERY:UN38.3,IEC62619,IEC61000,IEC62040

HYBRID INVERTER: VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1,G98, G99, C10-11, UNE217002,

NBR16149/NBR16150



# Technical Data

## Model 400K-2H

### System Specification

AC Output/Input Power (KW)	400
AC Output Frequency and Voltage	50/60Hz; 400Vac
Off-Grid Back up Power (KW)	400
Off-Grid Switching Duration (ms)	20ms
Grid Type	3W+N+PE
THD	<3%
Power Factor	-1-+1
System Communication	ETH
Black Start	Yes
Fire Detection	Heat and smoke detection
Fire Alarm	Alarm panel, strobes and horns with UPS backup
Aux Load	10KW
Auxiliary Power Interface	400Vac, 3W+N+PE
Auxiliary Power Back Up	30min (important load)
Local Emergency Stop	Yes
Remote Stop/Shut-off	Yes

### Battery Technical Specification

Energy Configuration (kWh)	980
Battery Operating Voltage (V)	480 ~ 700
Battery Communication	CAN,RS485
Pack Configuration	1P16S (16 Cells)
Rack Configuration	1P192S (16 Packs)
Stack Configuration	8*2*1P192S (16Racks)

### Other Technical Specification

Dimension (L x W x H,mm)	6058*2438*2896 mm (238.50*95.98*114.02 in)
Weight Appr. (kg)	16500
IP Rating of Enclosure	IP54
Seismic Parameter	Zone 4
Noise @1m distance	≤ 75 dB
Operating Temperature Range (°C)	-20~60( >45°C derating)
Relative Humidity	≤95% (non condensing)
Certification	IEC62477,UN3536

### Circuit Diagram

