

SHENZHEN TAICO TECHNOLOGY CO.,LTD

ESS-LPE-3&15KW

ESS BATTERY					
Model	ESS-LPE-3	ESS-LPE-3.6	ESS-LPE-5	ESS-LPE-10	ESS-LPE-15
Rated voltage	25.6V	25.6V	51.2V	51.2V	51.2V
Working voltage range	20-29.2V	20-29.2V	40-58.4V	40-58.4V	40-58.4V
Charge voltage	29.2V	29.2V	58.4V	58.4V	58.4V
Rated capacity	100AH	200AH	100AH	200AH	300AH
Energy	2.56KWH	5.12KWH	5.12KWH	10.24KWH	15.36KWH
Rated charge current	50A	50A	50A	50A	50A
Peak charge current	100A	100A	100A	100A	100A
Rated discharge current	75A	75A	75A	75A	100A
Peak discharge current	100A	100A	100A	100A	150A
Charge temperature	0-55℃	0-55℃	0-55℃	0-55℃	0-55℃
Discharge temperature	-10-55℃	-10-55℃	-10-55℃	-10-55℃	-10-55℃
Optimum temperature	15-25℃	15-25℃	15-25℃	15-25℃	15-25℃
Cooling method	Natural cooling	Natural cooling	Natural cooling	Natural cooling	Natural cooling
Relative humidity	5%-95%	5%-95%	5%-95%	5%-95%	5%-95%
Altitude	≤2000M	≤2000M	≤2000M	≤2000M	≤2000M
Cycle Life	≥4000次@80%DOD, 0.5C/0.5C, 25℃				
Communication interfaces	CAN/RS485/RS232				
Protection	Over-temperature, over-current and over-voltage protection				
Design lifetime	≥10 years				
Dimension (L*W*H)	540*192*963MM	540*192*963MM	540*192*963MM	540*192*1440MM	540*192*1925MM
Weight	65KG	75KG	75KG	125KG	175KG
Battery type	LiFePO4				
ESS hybrid inverter					

Inverting mode					
Output voltage waveform	Pure sine wave				
Rated output power(VA)	6000				
Rated output power(W)	3600	3600	6000	6000	6000
Rated output voltage(Vac)	220/230Vac				
Output voltage error	±5%				
Output frequency range(HZ)	50/60HZ				
AC charge					
Charge voltage range	20-30Vdc	20-30Vdc	40-60Vdc	40-60Vdc	40-60Vdc
Charge current error	±5Adc	±5Adc	±5Adc	±5Adc	±5Adc
Maximum charge current	60A	60A	60A	60A	60A
Solar charge					
Maximum PV opencircuit voltage	500Vdc	500Vdc	500Vdc	500Vdc	500Vdc
PV operation voltage range	120-500Vdc	120-500Vdc	120-500Vdc	120-500Vdc	120-500Vdc
MPPT voltage range	120-500Vdc	120-500Vdc	120-500Vdc	120-500Vdc	120-500Vdc
Battery voltage range	20-30Vdc	20-30Vdc	40-60Vdc	40-60Vdc	40-60Vdc
Maximum output power	5000W	5000W	5000W	5000W	5000W
Noise emission(dB)	<35	<35	<35	<35	<35
Operation temperature range	-15℃ ~ 55℃	-15℃ ~ 55℃	-15℃ ~ 55℃	-15℃ ~ 55℃	-15℃ ~ 55℃
Storage temperature range	-25℃ ~ 55℃	-25℃ ~ 55℃	-25℃ ~ 55℃	-25℃ ~ 55℃	-25℃ ~ 55℃
Picture					